

Military vs. Civilian Senses of Place



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Abstract

Individuals affiliated with the military often move frequently compared to civilians. This paper aims to address if moving frequently affects affiliated military members' sense of place compared to civilians who often move less frequently. This study is both quantitative and qualitative in nature, conducting research through the form of surveys and in-person interviews. Over two hundred surveys were completed over the duration of two months; of the respondents, 42% are affiliated in the military, and 58% are civilians. Several in-person interviews were also completed. Through the data collected, it was found that individuals affiliated with the military move significantly more compared to civilians (2.08:0.91 per decade). However, moving was shown to not be a significant factor in relation to ones' sense of place or how a sense of place is formed.

Keywords: military, civilian, sense of place

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Introduction

Most individuals affiliated with the military move from place to place frequently throughout their military careers. Does this alter their 'sense of place' compared to individuals not affiliated with the military, who often move less frequently? In our research, we will compare the perspectives of military affiliated individuals and non-military affiliated individuals on their sense of place. This will be explored utilizing surveys and interviews to reveal potential differences and similarities.

A 'sense of place' can be defined as, "attitudes and feelings that individuals and groups hold [in relation to] the geographical areas in which they live" (Gregory et al. 2009, 676). Often these attitudes and feelings are positive and strong, linking individuals to certain places. This definition is important to broadly understanding what a 'sense of place' is, but this definition doesn't do justice to the importance of an individual's or group's 'sense of place'. Individuals identities, interests, and passions are heavily influenced by the feelings encompassing a 'sense of place'. This attachment to an area, or 'sense of place', can therefore be an important part of shaping a person's identity and self-worth.

Individuals affiliated with the military, for the purpose of this study, will be defined as people who have served, or are serving, on active duty or in the reserves in the Air Force, Army, Coast Guard, Marines, National Guard, or Navy, as well as spouses of these individuals. Military dependents, other than spouses, will not be included in this study. Individuals not affiliated with the military will be defined as people who have never served in any branch of the military and are not a spouse of a military service member. Only people who are over the age of eighteen will be included in this study.

Participants gender will also be considered in this study to allow us to observe any trends regarding sense of place along gender lines.

A single survey will be administered to both affiliated and not affiliated individuals. Utilizing the same survey for both groups will reduce the likelihood of the data being compromised by inconsistent questioning styles. Interviews will be conducted with participants from each group to explore their sense of place perspectives more thoroughly than our survey allows (Flowerdew & Martin 2005, 111). Throughout these interviews, participants will be encouraged to provide details on how their sense of place has changed over time. Demographics will be collected in the survey, which will allow subsets of groups to be examined along with the two primary groups of military members and civilians. These demographics will help determine if differences and similarities are truly based on whether an individual has served in the military, or if things such as gender and race/ethnicity are a larger contributing factor.

Sample Universe

Affiliated and not affiliated individuals from around the continental United States have been surveyed and interviewed for our research. Some individuals affiliated with the military that are living outside of the continental United States and not affiliated individuals living abroad have also been surveyed, but they did not participate in any interviews. As researchers, we found it important to acknowledge the global presence of American service members by including participants from a broad range of locations. Since we conducted the research from Madison, Wisconsin, the majority of our

participants are from Madison and the surrounding areas. We've included participants from a broader range of locations than just Madison and the surrounding areas to allowed us to observe trends on a larger scale, as opposed to only regionally.

Participants have been asked to reflect on experiences from their past, as well as evaluate their present situations. The recognition of past experiences with places is an important part of understanding sense of place (Tuan 1974, 99). For some participants this meant thinking back to the early 2000s. For others, experiences from fifty or more years ago had to be considered.

Literature Review

Throughout this literature review, a plethora of topics were covered. Sense of place influences, and in turn is also influenced by, its origins, place attachments, identity, sense of community, and landscapes. These topics included key concepts and data that proved essential to our research. Exploring sense of place within affiliated with the military is a novel field with minimal prior research having been conducted. Through conducting this research and literature review, we hope to shed light on the sense of place within service members and their spouses and inspire others to explore this topic.

Sense of Place Origins

Geography has undoubtable been studied in some manner since the first humans walked this earth. The modern discipline of geography came about during the end of the 1800s when it was adopted into European and North American educational

institutions and the subfields of physical geography and human geography came shortly after this adoption (Gregory et al. 2009, 287). During the 1920s, due to a need for improved commerce and political turmoil in the United States and Europe, human geography, in the form of commercial geography and political geography gained substantial footing (Gregory et al. 2009, 350). From the 1920s to the end of the 1950s, human geography had little concern for theory, but the quantitative revolution that occurred during the 1950s, and lasted into the 1960s, brought a plethora of theory to the field, largely from other disciplines of study (Gregory et al. 2009, 611). This influx of theoretical approaches presumably opened the door for a drastic change in the study of human geography.

The study of sense of place emerged as a critique of the quantitative revolution and its positivistic theory. This critique is based largely on the fact that the quantitative revolution essentially blinded human geography from all qualitative aspects of study (Foote & Azaryahu 2009, 96). Human geography began to break the hold the quantitative revolution had on it during the late 1960s and early 1970s, largely due to a changing world in which issues, such as, gender (in)equality, racial (in)equality and poverty could not be addressed solely with quantitative methods (Gregory et al. 2009). Sense of place emerged as an important topic of study in human geography during this transition period and was instrumental in helping rebalance the field's relationship with quantitative and qualitative methodologies by highlighting the importance of the subjective, perceptual and cognitive dimensions of human actions (Foote & Azaryahu 2009, 96).

Sense of place can be contextualized into three simple, yet essential questions: “Who am I?,” “Where am I?,” and most importantly, “Where do I belong?” (Cuba & Hummon 1993, 548) This forces an individual to identify their sense of rootedness, their sense of belonging, and their sense of intimacy, or openness to others. These questions remain an important aspect of study for sense of place and in human geography because of their ability to combine other subfields within human geography and important concepts, such as, cognition, cultural value, individual behavior, perception and symbolism (Foote & Azaryahu 2009, 99). Not only is sense of place important in regards to other subfields, it also has an abundant amount of implications on individuals and their sense of belonging. Finding this sense of place is a fluid and on-going process throughout an individuals' life (Cuba & Hummon 1993, 37). For military members specifically, sense of place is still a topic that has been explored very little. Prior research on military members has primarily focused on the impacts of war, post-traumatic stress disorder, parental absences, military family roles, and developmental issues with military dependents.

Key Concepts

For the purpose of our research, sense of place was used as an umbrella term which encompasses important concepts, such as, place attachment, place-identity, sense of community, and landscapes. All of these concepts, in and of themselves, could be the focus of research; however, we, as researchers, desired to have an understanding of how all of these concepts played a role in our study and how they affect military members and civilians. The sense of place definition we have used, of

“attitudes and feelings that individuals and groups hold [in relation to] the geographical areas in which they live” (Gregory et al. 2009, 676), uniquely allowed us to view sense of place as an umbrella term in which we could incorporate these other concepts into our focus of study.

Place Attachment

An individual's sense of place initiates the process of place attachment (Foote & Azaryahu 2009, 98). This makes place attachment an important concept to include in order to understand sense of place. Attitudes and feelings toward places are key factors in place attachment. According to Yi-Fu Tuan (1997, 51), people can form these attitudes and feelings with “no complex experiencing”. This allows people to form attachments to places they may have only experienced for a short period of time. Experiences like seeing the ocean for the first time while on vacation and being so in awe of the sight that for the rest of your life you feel an attachment to that place, or proposing to your spouse in a particular location that now has a special meaning to you are examples of forming place attachments with “no complex experiencing (Tuan 1997, 51). These place attachments formed by people help shape a person's identity (Foote & Azaryahu 2009, 97).

Topophilia, “the human love of place” (Tuan 1974, 93), highlights the often positive feelings associated with place attachment; however, it is important to keep in mind that attitudes and feelings toward a place can also be negative. Tuan (1997, 49) and Scannell & Gifford (2009, 1) both identify the naturalness of place attachment in

order to satisfy a fundamental human requirement. Leila Scannell and Robert Gifford (2009, 2) proposed a place attachment framework to aid people in understanding this multifaceted concept. This three-dimensional framework (see Figure 1) depicts person, place and process as dimensions of place attachment. These three dimensions are all part of the formulation of place attachment and are all aspects of the research we have conducted for this study.

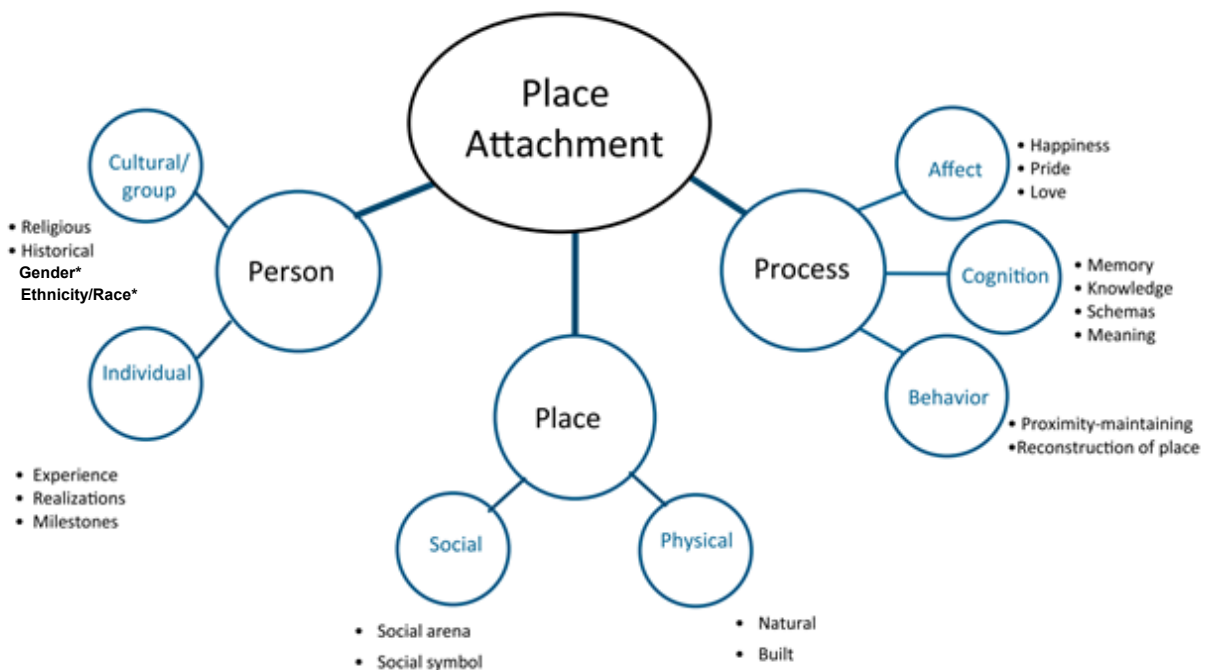


Figure 1 – Place Attachment Three-Dimensional Framework
(Scannell & Gifford 2009, 2)

(*Added by authors)

Maintaining these place attachments and identities can often prove to be a difficult task in a military lifestyle. Military families have self-reported that they do not feel a sense of attachment to a particular place, rather a sense of attachment to their family. This was due to the rate of moving military families encountered and the fact that they often do not live in a permanent residence (McCallister 1997, 24). Lower ranking

service members with no dependents or spouses have been shown to move more frequently than higher ranking individuals with dependents and spouses. Those in the Marine Corps have the shortest time between permanent change of station (PCS) orders, while the Air Force has the longest time in-between PCS orders (Wikia 2001, 17). While there are slight differences throughout military branches, it has been shown that affiliated military members average a length of two years between PCS orders. It is also important to note that of these affiliated military members, fourteen percent of who receive PCS orders and had spouses and dependent children could not bring these family members to their new duty station (Wikia 2001, 17). Additionally, enlisted members were twice as likely to have to leave their families compared to officers. These frequent moves cost the Department of Defense nearly three billion dollars annually and it disrupts a service members' place attachments and identity. Furthermore, it has been shown that increased time between a PCS is directly correlated with higher satisfaction, and higher retention rates throughout the military (Wikia 2001, 17).

Identity

Sense of place and the attachments people form with places are integral parts of a person's identity (Foote & Azaryahu 2009, 97). Individuals confronting their sense of place are forced to ask themselves who they are, where they are, and where they belong. During adolescence, an individual will form their sense of identity through people in the form of friendships, family, and local community members. As an individual ages, this identity is more heavily influenced by the physical geography and

built environment of the area they live in and their prior experiences in life with the places they've previously lived (Cuba & Hummon 1993, 34).

In certain cases, service members may PCS across seas into foreign areas. One study from Silvia Marcu (2012), studied young Romanian immigrants settling in Spain for professional development in their careers. Throughout this process, numerous migrants reported experiencing frustration, that their move was turbulent, and that they had not yet found their place. Their home was their home country of Romania. Yet their identity seemed to have been heavily influenced by their new environment with the passage of time. This study also examined children of these immigrants, who were educated in Spain, yet grew up for a significant part of their childhood in Romania. These children seemed to have a split identity, one identifying with their country of origin, and one identifying with their current environment of Spain including the culture of their new country (Marcu 2012).

Place can be such an essential part of an individual's identity that they may find it difficult to define or describe themselves without invoking some aspect of the place they occupy (Ryden 1993, 76). The interactions people have with places that help shape their identity also plays a role in their sense of belonging. A strong sense of belonging can correlate to a places shared practices, values and actions, in essence, it's sense of community (Wise 2015, 922).

Sense of Community

People form bonds with places through individual and communal means (Wise 2015, 921). Younger individuals who move, including migrants, have shown to make place attachments and form identities through close friendships, their families, and their local community (Cuba & Hummon 1993, 34). With frequent moves, there are often negative impacts experienced in affiliated military members in regards to relationships with friends and family. Although military families have the ability to explore the world, live in new environments, and meet individuals from other cultures, there is often a lack of a support system when moving to a new location. These support systems are especially lacking for the spouses and dependents of service members. Spouses who did have a support system, often in the form of other military spouses, indicated that they coped with the stress of changing duty stations better. Support systems can take the form of spouses and families going through the same situation, or a sponsor family that can help transition the new family to the area and introduce them to members of the community. Children of military members have said that social activities aided in feeling a sense of belonging and connectedness to a new community (McCallister 1997, 136).

More often than not, military members have little to no-say in a PCS. This results in many military members, and their families, not opening up to and exploring their communities because they know they will be moving once again soon. However, the more individuals moved, the easier it is to make friends quickly. It is important to note, that although it is easier to make friends with increased moves, an experience of loss occurs when leaving friends, whether military or civilian (McCallister 1997, 138).

According to Foote & Azaryahu (2009, 97), “place-specific experiences and common notions about the past and the future of place are important to a sense of community”. These same experiences and common notions will not only shape a person's sense of community, but also their sense of place. Sense of community is a way people can form bonds and shared experiences which contribute to their sense of belonging, something people typically strive to achieve (Wise 2015, 921-922). In Yi-Fu Tuan’s work “Sense of place: What Does it Mean to be Human?” (1997, 47) he states, “As embodied and social beings, we need intimate places – house and neighborhood, community and kinsfolk – for nurture and support”. Tuan’s words go beyond the importance of simply understanding sense of community and how it relates to sense of place, they clearly articulate the fundamental need humans have for a sense of community.

Landscapes

An individual or group's sense of place can also shape the landscape in which they inhabit, through acts such as building monuments and creating places of worship, people alter landscapes (Foote & Azaryahu 2009, 98). These landscapes can then be the places that others form attachments to or the places that a sense of community is formed. This is clearly shown throughout military communities, and military bases. Driving through military communities, there is often statues, museums, and other memorabilia commemorating military service members. More often than not, local businesses and communities are shaped and influenced by the local population. When service members move away from that community, there is clear negative economic

effects put onto the local area. Not only does a PCS have clear economic effects, but it shows that service members truly do contribute to what a place is, and how others form attachments to that place (Thanner & Segal 2008, 24).

Methods

We used a multi-method approach for conducting research. This included administering a survey and conducting interviews to collect data. We aimed to have the largest number of participants as possible, from a broad range of backgrounds.

Surveys

The survey used during this research was administered through Qualtrics, an online survey software. An anonymous link to the survey was distributed, by us, to participants via email, Facebook and in person. Our goal for the survey was to distribute it to the maximum number of people possible. To help achieve this goal we encouraged many participants to redistribute the survey's anonymous link and we cannot say, for certain, which methods the participants used in distributing the link.

The survey was available from October 20th, 2019 to November 14th, 2019, during that time 224 responses were recorded. Of the 224 responses recorded, only 219 were viable responses. The other five responses were not used due to them not being completed. All respondents freely chose to participate in the survey and were not coerced in any way.

The survey, which is included in Appendix B, consisted of twelve to fourteen questions. The number of questions was dependent on whether a respondent had any military affiliation. If the respondent was affiliated with the military, they were then asked to complete two additional questions. These two additional questions were not asked to respondents with no military affiliation. For non-military affiliated respondents there were four demographic questions and for military affiliated respondents there were six demographic questions. These demographics were collected in order to determine trends among participants with similar demographics and across different demographics. Of the remaining eight questions, only six were used as data for our research. These six questions were fixed-response questions and had an intended purpose of providing us with specific insights into the respondents' sense of place. Fixed-response questions keep the survey simple for respondents (Clifford et al. 2016, 79). The last two questions of the survey, which were for informational purposes only, established a respondent's willingness to participate in an interview and established if respondents had concerns regarding the survey.

Interviews

Seven semi-structured interviews were conducted throughout the course of this study. Of the seven interviews, five were with individuals who had military affiliation and two were with civilians. All semi-structured interviews were conducted in person and the questions can be seen in Appendix A.

Eighteen interview questions were created as guides for us, the interviewers, and the interviewees. While it was important to ensure the pre-established questions were addressed, we also tried to allow the interview to flow as naturally as possible, in a more conversational style. This approach helped ensure interviewees were able to articulate their experiences in their own words (Flowerdew & Martin 2005, 111). We also encouraged the interviewees to share any thoughts, feelings, ideas, and memories they had even if they were not specifically asked. The interview questions were intended to provide more in depth and personal experiences on participants' sense of place, than what the survey was able to provide.

Results and Analysis

Our main approach to data gathering was qualitative in nature with some quantitative questions included in our survey and interviews. The survey was distributed using Qualtrics from October 20th, 2019 to November 14th, 2019 and resulted in 224 respondents. However, not all survey questions were completed, and some survey responses were unusable due to very few, if any, questions being answered. This resulted in five surveys being initially omitted from the 224 responses resulting in 219 total usable surveys. Furthermore, depending on the data analysis, only a certain number of the remaining 219 could be utilized depending on if respondents completed certain questions within the survey. Although surveys played a large factor in our data analysis, several interviews were also conducted, five were with individuals affiliated with the military and two were with individuals not affiliated with the military. Additionally, every survey respondent had the opportunity to leave further feedback and comments,

supplementing their survey response with further compelling data. All survey and interview questions can be viewed in Appendix A and B, and responses can be viewed in Appendix C and D.

Demographics Overview

Military Affiliation

The goal of our research was primarily to compare military members and civilians. To breakdown participants into military and civilian groups, a survey question asked them to select their current military affiliation. Twelve options were available for respondents to choose including: Active Duty, Marines, Navy, Army, Air Force, Coast Guard, Reserves, National Guard, Military Spouse, Retired or Separated, and Not Affiliated. This data is shown in Table 1.

Affiliation	# of Respondents
Active Duty	62
Marines	8
Navy	37
Army	0
Air Force	0
Coast Guard	0
Military Spouse	8
Retired/Separated	18
Reserves	5
National Guard	5
Blank (N/A)	19
Not Affiliated	116
Total	259

Table 1

Military Affiliation of Respondents with 116 of the 219 Respondents Having No Military Affiliation

Surprisingly there are 259 responses total for military affiliation, yet only 219 usable surveys were received. This occurrence is due to respondents having the ability to mark multiple options for this specific question. For example, one can be an Active Duty Marine, and a spouse to another military service member. The only option that was limited to a single answer response was, 'Not Affiliated'. Unless 'Not Affiliated' was selected, or the questions was left blank, we are considering all other survey respondents to be affiliated with the military. In total, we found that 42% of our sample population was affiliated with the military, while 58% were not affiliated. Less than 1% of the sample population did not provide a response to this question and they were omitted from this section of demographics.

Age

A diverse range of respondents were surveyed when considering age. An age frequency histogram was constructed in Chart 1. This chart shows the age data from the sample population. No minors were surveyed or interviewed throughout this study. The youngest participants in this study were the age of 19 and the oldest survey participants were 62, with the average age of the sample population being 31.5 years old. Only 171 of the 219 respondents chose to answer the question regarding their age. Although only 78% of the sample population answered this question, we were still able to make various insights and observations using this data. The goal of this survey question was to gather discrete data to allow us to analyze trends and patterns within our data. We did not use pre-selected age groups in the survey for the question

regarding age, instead we used a fill in the blank style of question, we believe this was a contributing factor as to why only 22% of the participants chose not to answer the question. While this assisted in gathering discrete data, this may explain why only 171 of the 219 survey respondents answered.

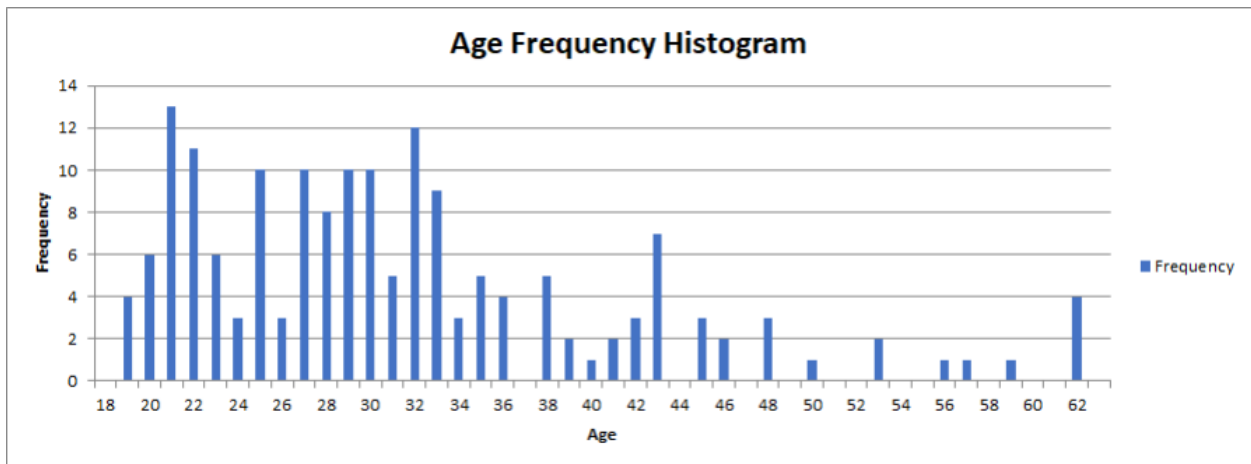


Chart 1

Sample Population Age Histogram Showing the Majority of Respondents Were Below the Age of Thirty-six

Through accumulating this discrete data of age, we were able to gather essential data for our study and further breakdown the data into additional categories. For example, we found average ages for genders in affiliated and non-affiliated members of the military. Although we were expecting further responses into this question, the responses we received prove to be essential in the data of this study.

Gender

Gender plays a crucial role in analyzing data, and it is also an area that often unveils compelling data. Unfortunately, our survey did not generate enough diverse responses set to make any significant statistical analysis other than between female and male genders. This is evident in Table 2, which shows there were only four respondents who identified with a gender other than male or female.

Gender	# of Respondents	Percentage
Female	109	49.77%
Gender Fluid	1	0.46%
Gender Variant/Non-Conforming	2	0.91%
Male	104	47.49%
Prefer Not to Answer	2	0.91%
Transgender	1	0.46%
Total	219	100.00%

Table 2

Gender Responses with 97.26% of Respondents Identifying as Female or Male

Less than two percent of the sample population identified as other than female or male. For statistical purposes, they and anyone who did not disclose their gender were not included in any further data analyses that included gender. In Chart 2, males and females are broken down into affiliated and not affiliated.

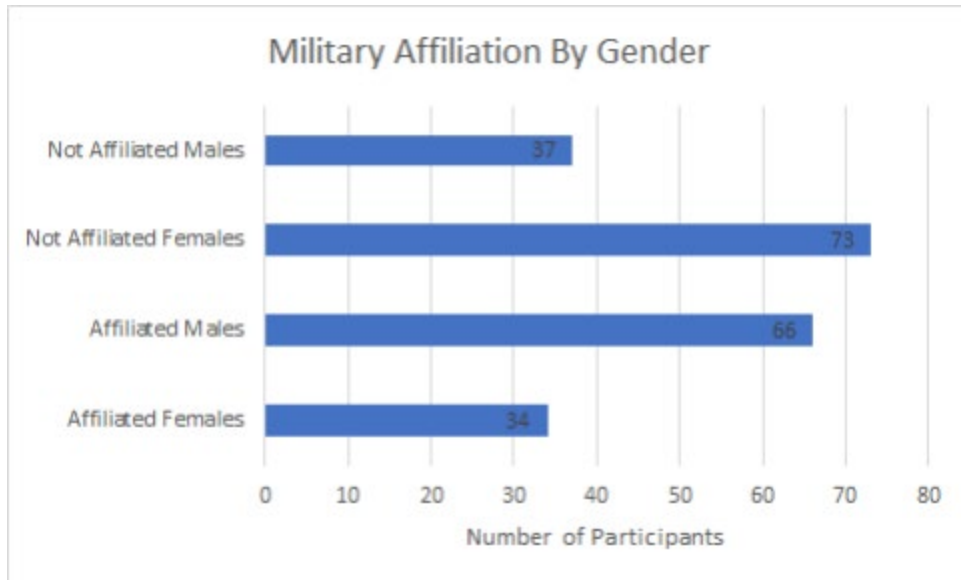


Chart 2

Military Affiliation by Gender, Not Affiliated Respondents are Predominately Female, Affiliated Respondents are Predominately Male

Race/Ethnicity

Like gender, race and ethnicity is another crucial aspect to analyze in data; however, our sample population again lacked in diversity. Shown below in Table 3, our sample population was predominately White or Caucasian. Due to this fact, we did not conduct any further analyses of race or ethnicity in our study.

Race/Ethnicity	# of Respondents	Percentage
White or Caucasian	177	80.3%
Black or African American	5	2.28%
Hispanic or Latino	8	3.65%
Native American or American Indian	0	0.00%
Asian or Pacific Islander	11	5.02%
Multiple Selected	15	6.85%
Prefer Not to Answer	3	1.90%
Total	219	100.00%

Table 3

Race/Ethnicity of Respondents with Majority of Respondents Identifying as White or Caucasian

Number of Moves

In our research question, we assumed individuals affiliated with the military moved more frequently than individuals not affiliated. Of the 219 respondents, 196 of them responded to both questions of military affiliation and the number of moves since turning eighteen. With the 196 results, the average number of moves for individuals affiliated with the military was 7.096 and the average number of moves for individuals not affiliated was 2.875, as shown in Table 4. We also included the average number of moves per decade of age in Table 4, since this data can more easily be interpreted by readers and it shows that while affiliated respondents have a higher average age than unaffiliated respondents, they still moved more frequently than unaffiliated individuals.

	Average # of Moves (Since the Age of 18)	Avg Age	Avg # of Moves per Decade of Age
Affiliated	7.096	32.5	2.08
Not Affiliated	2.875	30.3	.91

Table 4

Average Number of Moves, Average Age and Average Number of Moves per Decade of Age by Military Affiliation

The frequency of moves among affiliated individuals and not affiliated individuals can be seen in Chart 3 and Chart 4. For Chart 3, 18 moves and 26 moves can be considered outliers when using the equation $Q1 - 1.5 * IQR$ for the lower limit and the equation $Q3 + 1.5 * IQR$ for the upper limit. For Chart 4, 10 moves and 11 moves can be considered outliers (see Appendix F, Section 1 for full equations). However, even with these outliers removed, individuals associated with the military still move more frequently with an average of 6.72 moves, while not affiliated individuals have an average 2.73 moves. Even if the outliers of 10 moves and 11 moves for not affiliated individuals are included, the average number of moves for affiliated individuals is still greater. This leads us to believe our data confirms our assumption that individuals who are affiliated with the military move more frequently than individuals who are not affiliated with the military.

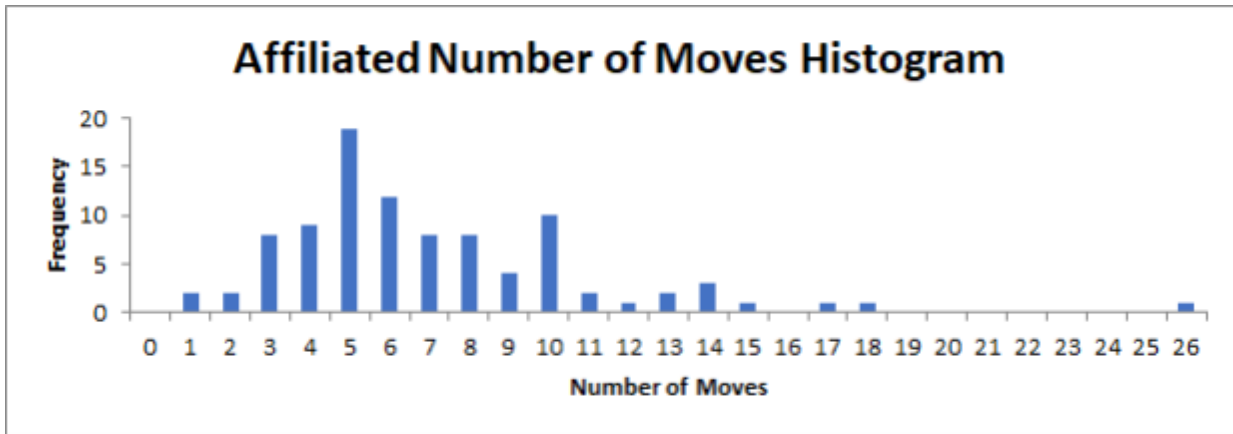


Chart 3

Frequency of Moves Among Individuals Affiliated with the Military

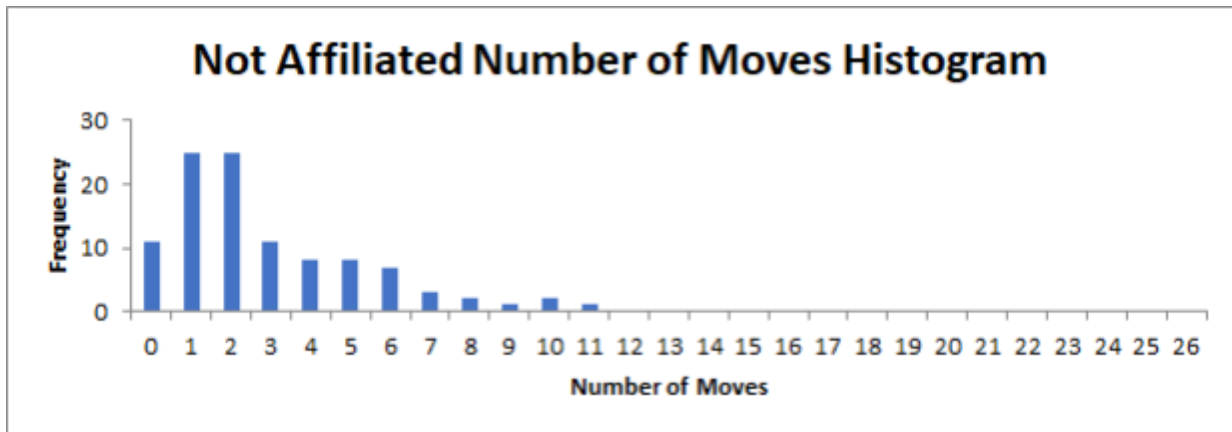


Chart 4

Frequency of Moves Among Individuals Not Affiliated with the Military

If we look at the data by affiliation and gender, a similar trend of affiliated individuals moving more frequently is still present. For this analysis, only survey respondents who answered the questions regarding military affiliation, age, gender and length of service (only applicable to individuals who responded as being affiliated with the military) were included. This resulted in a total count of 163 respondents, of which 17 were affiliated females, 64 were affiliated males, 53 were not affiliated females, and

29 were not affiliated males. Table 5 shows the breakdown of this data. This further supports the validity of our assumption of affiliated individuals moving more frequently than those who are not affiliated.

	# of Respondents	Avg # of Moves	Avg Age	Avg Years Served
Affiliated Female	17	5.41	30.9	9.59
Affiliated Male	64	7.34	33	11.13
Not Affiliated Female	53	3.06	29.85	N/A
Not Affiliated Male	29	2.9	31.52	N/A

Table 5

Average Number of Moves, Average Age, and Average Years Served by Military Affiliated and Gender

We decided to look more closely at the affects age has on the number of moves for affiliated and not affiliated individuals. We did this by conducting Spearman Correlation Rank Tests for the number of moves and age of affiliated and not affiliated individuals. These tests were conducted to determine if the number of moves covaried with an individual's age. Our null hypotheses for these tests were the 'Spearman correlation coefficient (R_s) would be zero'. A R_s of zero indicates "the ranks of one variable do not covary with the ranks of the other variable" meaning "the ranks of one variable increase, the ranks of the other variable do not increase (or decrease)" (McDonald 2015). The data used for these tests can be seen in Appendix F, Section 2. Table 6 shows the test results. Both tests were significant at $p < .05$; therefore, we were able to reject the null hypothesis with 95% confidence. This allows us to say with a high

level of confidence that the number of moves covaries with an individual's age. The R_s values were also positive. Positive R_s values indicate there is a positive relationship between the two variables. Therefore, if variable X is high, we would also expect variable Y to be high, and if variable X is low, we would expect variable Y to be low as well.

	Variable X	Variable Y	X Ranks	Y Ranks	Combined	P Value (Two Tailed)
Affiliated	# of Moves	Age	Mean: 26.5 SD: 15.7	Mean: 26.5 SD: 15.13	Covariance: 167.45 R_s: .73469	0
Not Affiliated	# of Moves	Age	Mean: 39 SD: 22.03	Mean: 39 SD: 22.32	Covariance: 269.5 R_s: .54818	0

Table 6

Spearman Rank Correlation Tests for Number of Moves and Age by Military Affiliation

(SD = Standard Deviation)

Number of Close Relationships in Distant Locations

Since military affiliated individuals move more frequently than not affiliated individuals we looked at if this impacts the number of close relationships in distant locations military affiliated individuals maintain. We did not define a close relationship or distant location in our survey. We believe that these terms are different for every individual and decided to allow these terms to be self-defined by respondents. See Appendix B for full survey questions. Only respondents who answered questions regarding number of close relationships in distant locations, military affiliated, age, gender and times moved were included in this analysis. This resulted in 126

respondents, of which 52 were affiliated and 74 were not affiliated. This data can be seen in table 7.

	Avg # of Close Relationships	Avg # of Moves	Avg Age	# of Respondents
Affiliated	6.05	6.75	32.5	52
Not Affiliated	5.25	2.75	30.3	74

Table 7

Average Number of Close Relationships, Average Number of Moves, Average Age, and Number of Respondents by Military Affiliation

The data shown in Table 7, indicates that individuals affiliated with the military form and maintain close relationships in a similar manner as individuals not affiliated with the military, regardless of their frequent moves. Affiliated individuals do have a slightly higher average number of close relationships, but this slight difference, combined with our limited number of respondents, does not allow us to confidently say individuals affiliated with the military form and maintain more close relationships than those who are not affiliated. There is also an added level of uncertainty in our analysis since we did not strictly define what a close relationship is, and people presumably had contrasting definitions.

We conducted Spearman Rank Correlation Tests for the number of close relationships and moves, as well as the number of close relationships and age for affiliated and not affiliated individuals. The data used for these tests can be seen in Appendix F, Section 3. These tests were conducted to determine if the number of close

relationships in distant locations covaried with an individual's number of moves or age. Our null hypotheses for these tests were 'the Spearman correlation coefficient (R_s) would be zero'. For all four tests ran the results could not be considered significant at $p < .05$ and we could not reject the null hypotheses. Table 8 shows the test results, in which you can see that all R_s values are greater than zero indicating a positive relationship between the two variables.

	Variable X	Variable Y	X Ranks	Y Ranks	Combine d	P Value (Two Tailed)
Affiliated	# of Close Relationships	# of Moves	Mean: 26.5 SD: 15.04	Mean: 26.5 SD: 15.07	Covariance: 32.41 R_s: .143	.31189
Affiliated	# of Close Relationships	Age	Mean: 26.5 SD: 15.04	Mean: 26.5 SD: 15.13	Covariance: 6.9 R_s: .03031	.83111
Not Affiliated	# of Close Relationships	# of Moves	Mean: 26.5 SD: 15.04	Mean: 38 SD: 21.47	Covariance: 43.62 R_s: .09392	.42283
Not Affiliated	# of Close Relationships	Age	Mean: 26.5 SD: 15.04	Mean: 38 SD: 21.74	Covariance: 18.27 R_s: .03885	.7407

Table 8

Spearman Rank Correlation Tests for Number of Close Relationships and Moves, and Number of Close Relationships and Age, by Military Affiliation

(SD = Standard Deviation)

Favorite Place

In our survey we asked participants to tell us, of all the places they've lived, which was their favorite. For this portion of the data analysis only respondents who answered the questions regarding military affiliation and favorite place were included. This resulted in a total of 163 respondents. Some respondents answered both

questions but did not provide mappable locations for their favorite place, an example of this is when a respondent answered, “the farm back home”, answers that were not mappable were not included in the data analysis. There were also answers such as “USA” and “Kansas City”, which we could not include in our analysis of the United States, but we were able to include in our country analysis. The answer of “Kansas City” was not included in our analysis for the United States since Kansas and Missouri are both possible state options. Table 9, shows the favorite place data by country and Table 10 shows the favorite place data for the United States. States and countries not identified by any respondents were not included in the tables.

Favorite Place by Country	# of Affiliated	# of Not Affiliated
Bahrain	2	0
England	0	1
Hungary	0	2
Japan	3	0
Mexico	0	1
Panama	1	0
Spain	23	0
Sweden	0	1
Taiwan	0	1
United States	48	80
Total	77	86

Table 9
Favorite Place by Country for Affiliated and Not Affiliated

Favorite Place by State	# of Affiliated	# of Not Affiliated
Arizona	2	2
California	11	7
Colorado	0	3
District of Columbia	1	1
Georgia	0	1
Florida	5	0
Hawaii	3	1
Iowa	0	3
Illinois	0	2
Indiana	1	3
Maryland	1	0
Maine	1	0
Michigan	0	2
Minnesota	0	2
Missouri	0	4
Mississippi	2	0
New York	1	0
Ohio	0	1
Pennsylvania	0	4
South Carolina	2	0
Texas	3	1
Virginia	5	0
Wisconsin	9	38
Total	47	75

Table 10

Favorite Place by State for Affiliated and Not Affiliated

In Table 10, for not affiliated individuals Wisconsin was the most popular state by a large margin. We attribute this disproportionate number to the fact that we are in Madison, Wisconsin, and many of the people we asked to participate in the survey are also living in Madison or the surrounding areas. A similar situation is present in Table 9, with Spain being the most popular location for affiliated individuals. Many of the people asked to participate in the survey were stationed with researcher McAnallen at Naval Station Rota in Spain. We believe this is the cause for Spain being disproportionately

larger number than countries other than the United States. Appendix E, displays the country data in a proportional symbol map.

Personal Relationships

In investigating how participants formed a sense of place, we asked respondents, “In your favorite place to live, how important were your personal relationships to the people in the location? (e.g. friends, relationships, co-workers).” Respondents answered with a five item Likert scale from not important to very important. We conducted Kruskal-Wallis One-Way Analysis of Variance on these responses to determine if there was a difference among affiliated and not affiliated respondents, as well as a difference among genders across the two groups. Our null hypotheses were ‘there would be no significant difference between groups of female affiliated and female not affiliated’, ‘there would be no significant difference between groups of male affiliated and male not affiliated’, and ‘there would be no significant difference between affiliated and not affiliated respondents’. We used the Kruskal-Wallis three times to test each of these hypotheses. With an alpha of .05 and degrees of freedom of one ($df = 2 - 1 = 1$) there is a critical value of 3.84. The calculations of these tests can be seen in Appendix F Sections 4, and the results are show in the Table 11.

	Affiliated Females	Not Affiliated Females	Affiliated Males	Not Affiliated Males	Affiliated	Not Affiliated
Sample Standard Deviation	8.8713	14.2899	11.7132	6.2048	27.6912	25.3279
Population SD	7.935	12.781	10.477	5.55	24.768	22.654
Sample Size	5	5	5	5	5	5
Sample Variance	78.7	204.2012	137.1991	38.4995	766.8026	641.5025
Population Variance	62.9642	163.354	109.7675	30.8025	613.4538	513.2037
Mean	6.8	11.2	12.2	7	27.6	21
P-Value Between Groups	.75402		0.4034		0.4647	

Table 11

Personal Relationships: Affiliated Females vs. Not Affiliated Females, Affiliated Males vs. Not Affiliated Males, Affiliated vs. Not Affiliated

None of the groups compared displayed any significant results. Therefore, we failed to reject our null hypothesis. While we cannot accept the null hypotheses, we believe regardless of gender or affiliation, there was no significant difference between the way personal relationships were formed.

Physical Characteristics

To further assess how participants form a sense of place we investigated the importance of physical characteristics. We asked respondents in a five item Likert scale from not important to very important, "In your favorite place to live, how important were the physical characteristics of the location? (e.g. weather, forests, beaches)." Again, we

used the Kruskal-Wallis test to compare groups. The groups compared were female affiliated and female not affiliated, male affiliated and male not affiliated, and affiliated and not affiliated. Our null hypotheses was ‘there would be no significant difference between the importance of physical characteristics for female affiliated and female not affiliated’, ‘there would be no significant difference between the importance of physical characteristics male affiliated and male not affiliated’, and ‘there would be no significant difference between the importance of physical characteristics affiliated and not affiliated’. With an alpha of .05 to determine significance and degrees of freedom of one ($df = 2 - 1 = 1$) there is a critical value of 3.84. The calculations for these three Kruskal-Wallis tests can be seen in Appendix F Section 5 and the results are shown in Table 12.

	Affiliated Females	Not Affiliated Females	Affiliated Males	Not Affiliated Males	Affiliated	Not Affiliated
Sample Standard Deviation	5.4589	10.6864	8.6429	3.3912	17.53	13.9535
Population SD	4.883	9.558	7.73	3.033	15.679	12.48
Sample Size	5	5	5	5	5	5
Sample Variance	29.7996	114.1991	74.6997	11.5002	307.3009	194.7002
Population Variance	23.8437	91.3554	59.7529	9.1991	245.831	155.7504
Mean	6.4	12.8	12.2	7	27.6	20.8
P-Value Between Groups	0.34721		0.25059		0.4647	

Table 12

Physical Characteristics: Affiliated Females vs. Not Affiliated Females, Affiliated Males vs. Not Affiliated Males, Affiliated vs. Not Affiliated

We could not reject any of the null hypotheses. Indicating there is no significant difference between affiliated and not affiliated participants in the level of importance of physical characteristics.

Cultural Characteristics

The final aspect of sense of place we analyzed was cultural characteristics of places. These cultural characteristics include things like languages, social norms, and religious beliefs. Respondents were asked on a five item Likert scale from not important to very important, "In your favorite place to live, how important were the cultural characteristics of the location?" Our null hypotheses was 'there would be no significant difference in the importance of cultural characteristics of places for affiliated males and not affiliated males', 'there would be no significant difference in the importance of cultural characteristics of places for affiliated females and not affiliated females', and 'there would be no significant difference in the importance of cultural characteristics of places for affiliated and not affiliated individuals'. With an alpha of .05 to determine significance and degrees of freedom of one ($df = 2 - 1 = 1$) there is a critical value of 3.84. The calculations for these three Kruskal-Wallis tests can be seen in Appendix F Section 6 and the Table 13 contains the results.

	Affiliated Females	Not Affiliated Females	Affiliated Males	Not Affiliated Males	Affiliated	Not Affiliated
Sample Standard Deviation	2.881	8.5732	3.8341	3.2711	7.9875	10.5357
Population SD	2.577	7.668	3.429	2.926	7.144	9.423
Sample Size	5	5	5	5	5	5
Sample Variance	8.3002	73.49998	14.7003	10.7001	63.8002	111.001
Population Variance	6.6409	58.7982	11.758	8.5615	51.0367	88.7929
Mean	6.4	13	12.2	8.2	27.6	21
P-Value Between Groups	0.25059		0.09469		0.21008	

Table 13

Cultural Characteristics: Affiliated Females vs. Not Affiliated Females, Affiliated Males vs. Not Affiliated Males, Affiliated vs. Not Affiliated

We could not reject any of the null hypotheses. Indicating there is no significant difference between affiliated and not affiliated participants in the level of importance of physical characteristics.

Personal vs. Physical vs. Cultural

Although there was no statistical significance for the importance of physical, cultural, or personal relationships that does not mean there is not a statistical difference between the three variables. To analyze this, another Kruskal-Wallis test was conducted to compare the three variables. Physical characteristics, cultural characteristics, and personal relationships were analyzed in male and female military affiliated and male and female not affiliated respondents. With an alpha of .05 to determine significance and degrees of freedom of two ($df = 3 - 1 = 2$) there is a critical value of 5.99. Our null

hypothesis is 'there is no significant statistical difference between the importance of physical characteristics, cultural characteristics, and personal relationships'. The calculations for this test can be seen in Appendix F Section 6. There was no statistical difference between the three characteristics; therefore, we failed to reject our null hypothesis. This leads us to believe that ultimately, none of these variables are significantly more important than the other when it comes to sense of place, regardless of military affiliation or gender.

Discussion

Results Analysis

Number of Moves

The raw data gathered from our survey clearly indicates that people affiliated with the military move more frequently than people not affiliated with the military. This is evident even when potential outliers are removed from the data. However, military affiliation is not the only thing that seems to effect how often people move. An individual's age also seems to play a part, with older people typically experiencing more moves during their life than younger people.

These observations were reaffirmed in our interviews, which can be reviewed in Appendix D. Interviewees Alpha and Bravo, who have both serviced in the military for over twenty years, have moved eighteen and twelve times, respectfully, since the age of eighteen, this is the highest number of moves among our interviewees. Alpha and Bravo were the oldest individuals we interviewed. Interviewee Delta and interviewee

Golf are both twenty-eight-years-old. Delta is not affiliated with the military and has moved three times since the age of eighteen. Golf is affiliated with the military, has been serving on active duty for nearly eight years, and has moved five times since the age of eighteen. Comparing Delta and Golf, people of the same age, but with different affiliation status, we see the same trend observed from our survey of affiliated individuals moving more than not affiliated individuals. Interviewee Foxtrot, the oldest of our interviewees with no military affiliation, also had the most moves among not affiliated interviewees.

Number of Close Relationships in Distant Locations

The average number of close relationships, other than relatives, in distant locations for affiliated individuals was six and for not affiliated individuals it was five. With the number of respondents, we do not consider this a significant difference. Since affiliated individuals move more than people not affiliated with the military this indicated to us that it is likely the number of moves someone experiences, regardless of affiliation, doesn't necessarily impact the quantity of close relationships in distant locations. This leads us to believe that people affiliated with the military are forming close relationships regardless of their frequent moves.

Favorite Place

Our data set was influenced by the authors previous duty stations, particularly Spain. This likely has resulted in our favorite place data indicating military affiliated

individuals have a higher preference to locations outside of the continental United States than not affiliated individuals. Our collected data shows that of the seventy-seven survey respondents twenty-nine of them had their favorite place outside of the continental United States. For people not affiliated with the military six of the eighty-six respondents had a favorite place outside of the continental United States. While we do believe that people affiliated with the military are more likely to be exposed to overseas locations, through duty stations and deployments, due to our influence we cannot say with confidence that our data truly indicates any type of trend.

Our interviews did indicate that people affiliated with the military selected their favorite place based on locations they were stationed. For interviewee Alpha, this was San Diego, California, where the interviewee was stationed two separate times. Alpha not only enjoyed his work circumstances while stationed in San Diego, but during his first tour in San Diego he also met his wife which impacted his strong positive feelings for the location. Interviewee Bravo's favorite place was Venture, California, where he lived while stationed at Point Mugu Naval Air Station. Bravo enjoyed his work circumstances and felt that in Venture he was not as clearly associated with his profession when off base then if he had been stationed in San Diego or Norfolk, which have a substantially greater military presence. Interviewee Charlie's favorite place was Virginia Beach, Virginia, where he was stationed for three years. Charlie enjoyed work and the close friendships he had in the area. Interviewee Golf did not mention enjoying work in his favorite location of Saratoga Springs, New York, where he was stationed for four years. Golf instead enjoyed the places around his favorite location and the food. Interviewee Delta had a favorite location of Los Angeles, California. Delta attended

school at UCLA and was a member of the university's Naval Reserve Officer Training Command from 2010 to 2014 where he received his commission in the United States Marine Corps.

All interviewees affiliated with the military were serving on active duty during the time the interviews were conducted, and they all had joined the military by the age of twenty-two. If reservists, retired individuals, or people who became affiliated with the military later in life had been interviewed this trend, of all interviewed affiliated individuals selecting duty stations as their favorite place, may not have been present. However, we felt this trend could not be ignored.

Personal Relationships

Affiliated military members often move to new geographical areas with other affiliated service members. Personal relationships were shown to be top ranking in importance from the 219 surveys collected, for both affiliated and not affiliated individuals. This shows that personal relationships play a crucial role in an individual's sense of place, regardless of how frequently someone moves. This trend is also seen in all seven interviews in which all interviewees expressed the importance of personal relationships in their favorite place. However, personal relationships are not statistically more significant than physical characteristics or cultural characteristics.

Physical Characteristics

Physical characteristics such as the climate of the area, beaches, and mountains also come into play in an individuals' sense of place. Physical characteristics were second in importance to physical characteristics for both individuals affiliated with the military and individuals not affiliated with the military. These characteristics may be of utmost importance to some, while irrelevant to others. Overall, physical characteristics are not significantly important or significantly irrelevant compared to personal relationships or cultural relationships when it comes to affecting ones' sense of place.

Cultural Characteristics

Cultural characteristics are ranked to be of the least importance when it comes to a sense of place out of all three characteristics. In survey comments, one participant stated that they did not realize how important or how different cultural aspects of a place are until they moved from Minnesota to Wisconsin. This showed that culture does vary throughout areas and can prove to be very important to some individuals. Although it may be important to some individuals, it is ranked to be of the least importance for both affiliated and not affiliated individuals. Although this is true, it is not statistically less significant of a factor than physical characteristics or personal relationships in terms of affecting an individuals' sense of place.

Limitations and Future Research

We believe our biggest limitation for this research project was our sample size. For future research we would recommend obtaining a stratified random sampling of affiliated and not affiliated participants, to include a stratified random sampling for each area identified within military affiliation (see Table 1 on page 18 for breakdown of each area identified), as well as geographically. This will allow future researchers to perform more statistical analyses on the data which we believe it will result in more definitive conclusions. It should also remove the geographical influences of the authors that is present in this research. A stratified random sample would also ensure enough diversity in the sample population to allow gender other than female and male and race/ethnicity to be considered in the analysis.

Another limitation we faced was the lack of prior research on sense of place for military members. There is substantial research on sense of place, sense of community, sense of belonging, and place attachment, but very few of these look at how these concepts are applicable to individuals affiliated with the military. Any future research into this topic would provide valuable insight and could help aid the military in developing techniques to increase retention and morale.

The use of a survey allowed us to collect the sample size that we did; however, this was another limitation of our research for multiple reasons. The survey was only available from October 20th, 2019 to November 14th, 2019, if we had the time to keep the survey open longer, we believe we would have been able to substantially increase our sample size. The survey also only generated self-reported data, which we could not verify. We believe participants were as truthful as they could be with their responses,

but we cannot guarantee this, nor can we guarantee that errors, such as typos, weren't made by participants while they completed the survey. If future researchers can obtain a greater sample size, they should be able to identify outliers and errors from survey responses easier than we could with our sample size. The use of open text boxes, particularly for age, number of moves and number of close relationships in distant locations, also limited our analysis. For age, 22% of people that completed the survey did not disclose their age, if a range was used instead, we believe that percentage would be significantly lower. For number of moves and number of close relationships, participants provided answers such as "many", "more than 10", "around 5", etc. This resulted in many of the survey responses not being used for analysis regarding those two questions. A range, or set answer, would probably have been more effective. Future researchers should be cautious when using open text boxes, especially for questions that could be answered in a different manner.

Lastly, we would like to address our limitations as researchers. For us, time was a substantial limiting factor. With only three months to put together a research topic, gather data, conduct data analysis and write a paper about it all, we were not able to dive too deep into this topic. Time also limited our ability to request funding for this project, since we determined that it would be more beneficial to focus our time on the project itself instead of filling out paperwork for funding. Our level of experience also limited our approach to this topic. Neither of us have much, if any, experience conducting research. If we were to do another research project on the same topic, we would likely change many of our approaches, such as using less open text boxes in the survey.

Conclusion

Finding a sense of place can be difficult with frequent moves throughout an affiliated military members career. A sense of place is, “attitudes and feelings that individuals and groups hold [in relation to] the geographical areas in which they live” (Gregory et al. 2009, 676). Most individuals affiliated with the military move from place to place frequently compared to civilians, but does this alter their ‘sense of place’ compared to individuals not affiliated with the military, who often move less frequently? Our research shows that individuals affiliated with the military do indeed move significantly more than people not affiliated with the military. However, our research did not show that frequent moving significantly affected a person's sense of place. This area of study is relatively novel, with limited prior research having been conducted. Acknowledging the novelty of this topic, along with research showing affiliated military service members move significantly more frequently than civilians, further research should be conducted on this topic.

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Would like to thank Doctor William G. Gartner, the professor for Geography 565. If it wasn't for Bill, we probably never would have finished this project. We would also like to thank Joel Gruley for helping distribute our survey, as well as all the survey participants and interview participants. Without these peoples help we would not have been able to successfully conduct this research. Thank you all.

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Appendix A - Interview Questions

1) How long have you been in the military? (Military Only)

2) Where have you lived since turning 18?

2.1) Which one was your favorite? (Only applicable if answer to Q2 is > 1)

2.2) Why?

2.3) What was your favorite cultural feature at [favorite place]? (institutions, monuments, language, etc.)

2.4) What was your favorite physical feature at [favorite place]? (weather, forests, beaches, etc.)

2.5) What is your favorite memory from [favorite place]?

2.6) How strong was the sense of community in [favorite place]?

3) Which place was your least favorite? (Only applicable if answer to Q2 is > 1)

3.1) Why?

4) Where do you live now?

4.1) Why did you move there?

4.2) What is your favorite cultural feature at [current location]? (institutions, monuments, language, etc.)

4.3) What is your favorite physical feature at [current location]? (weather, forests, beaches, etc.)

4.4) What is your favorite memory from [current location]?

4.5) How strong is the sense of community in [current location]?

5) Do you think moving X (number of places from Q2) times has influenced the way you form attachments to places?

5.1) If yes, how so?

Appendix B - Survey Questions

Block 1

We are geography majors at the UW-Madison working on our senior thesis project. We are researching place attachment for military members and civilians. The survey consists of twelve to fourteen questions and should take less than two minutes to complete.

Your participation is completely voluntary – you may skip any question or exit the survey at any time. Furthermore, we are not collecting any personal information. Finally, your responses are confidential. We will destroy all individual surveys once the results are tabulated.

You are cordially invited to attend a free public symposium on December 10th, 2019, at 4 P.M. in 180 Science Hall on the UW-Madison campus, where we will present the results of our research. Our paper will be archived on the Minds@UW website, which is password protected. If you are interested in a copy of our paper or would like more information on attending the symposium, please contact one of us through an email address listed below.

jvoigt2@wisc.edu - Jacob Voigt
cmcanallen@wisc.edu - Cassandra McAnallen

By participating in the survey, you indicate that you: (1) have read the above privacy policy and consent statement, (2) understand how we will protect your privacy, and (3) voluntarily agree to participate.

Thank you for helping us with our senior project!

If you have any comments, questions, or concerns about this project, please contact Dr William Gustav Gartner, 115D Science Hall, Department of Geography, UW-Madison, 550 N Park St, Madison, WI 53706. Phone: (608) 890-3816. Email: wgartner@wisc.edu

Default Question Block

How old are you?

What gender do you identify as?

- Female
- Male
- Transgender
- Gender Variant/Non-Conforming
- Not Listed (Please Specify)
- Prefer Not to Answer

What is your race/ethnicity?
(Select all that apply)

- Asian or Pacific Islander
- Black or African American
- Hispanic or Latino
- Native American or American Indian
- White or Caucasian
- Not Listed (Please Specify)
- Prefer Not to Answer

What is your current military affiliation?
(Select all that apply)

- Active Duty
- National Guard
- Reserves
- Retired/Separated
- Air Force
- Army
- Coast Guard
- Marines
- Navy
- Non-military spouse of service member
- I am not affiliated with military service

How many years have you served in the military?

What is your rank in the military?

- | | |
|----------------------------------|----------------------------------|
| <input type="radio"/> E-1 to E-3 | <input type="radio"/> O-1 to O-3 |
| <input type="radio"/> E-4 | <input type="radio"/> O-4 |
| <input type="radio"/> E-5 | <input type="radio"/> O-5 |
| <input type="radio"/> E-6 | <input type="radio"/> O-6 |
| <input type="radio"/> E-7 | <input type="radio"/> O-7 |
| <input type="radio"/> E-8 | <input type="radio"/> O-8 |
| <input type="radio"/> E-9 | <input type="radio"/> O-9 |

How many times have you moved to a new city since the age of 18?

Where was your favorite place to live?

In your favorite place to live, how important were your personal relationships to the people in the location? (e.g. friends, relationships, co-workers)

- | | Not Important | Slightly Important | Moderately Important | Important | Very Important |
|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Personal Relationships | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

In your favorite place to live, how important were the physical characteristics of the location? (e.g. weather, forests, beaches)

- | | Not important | Slightly Important | Moderately Important | Important | Very important |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Physical Characteristics | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

In your favorite place to live, how important were the cultural characteristics of the location? (e.g. languages, social norms, religious beliefs)

- | | Not important | Slightly Important | Moderately Important | Important | Very Important |
|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Cultural Characteristics | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

How many close relationships do you currently maintain with people, excluding relatives, who live in distant areas?

If you would like to share stories about your favorite place, please leave your contact information so we can contact you for a potential interview.

If you have any additional comments or feedback, please leave them below.

Appendix C – Survey Responses

How old are you?	What gender do you identify as?	What gender do you identify as? (Specify)	What is your race/ethnicity? (Select all that apply)	What is your race/ethnicity? (Select all that apply) (Please Specify)	What is your current military affiliation? (Select all that apply)	How many times have you served in the military?	What is your rank in the military?	How many times have you moved in the new city since the age of 18?	Where was your favorite place to live?	In your favorite place to live, how important were the physical characteristics? (e.g. weather, forests, beaches) - Physical Characteristics	In your favorite place to live, how important were the social characteristics? (e.g. languages, social norms, religious beliefs) - Cultural	How many close relatives do you have with people, excluding relatives, who live in distant areas?	If you have any additional comments or feedback, please leave them below.
22	Male	Male	Asian or Pacific Islander/White or Caucasian	Asian or Pacific Islander/White or Caucasian	National Guard	3	E-4	4	Madison	Important	Important	6-7	
20	Male	Male	Hispanic or Latino	Hispanic or Latino	National Guard	3	E-4	3	Wichita Falls, TX	Moderately important	Moderately important	10+	
	Male	Male	White or Caucasian	White or Caucasian	National Guard	6	E-4	6	Appleton	Slightly important	Moderately important	10+	
27	Male	Male	White or Caucasian	White or Caucasian	National Guard	9	E-5	4	Chippewa Falls Wisconsin	Very important	Very important	6	Didn't think switching from Wisconsin to Minnesota would be such a big deal but it. The culture and the way people interact is definitely a big difference.
27	Female	Female	White or Caucasian	White or Caucasian	Active Duty/Navary military service	2	E-6	2	Colorado	Very important	Moderately important	3	
27	Female	Female	White or Caucasian	White or Caucasian	Active Duty/Navary military service	9	E-6	6	Reza, Spain	Important	Moderately important	4	
32	Female	Female	White or Caucasian	White or Caucasian	I am not affiliated with military service	3	O-1 to O-3	5	Kansas City Arizona	Moderately important	Moderately important	1	
	Female	Female	White or Caucasian	White or Caucasian	Active Duty	6	E-6	8	Reza, Spain	Moderately important	Very important	1	
31	Female	Female	White or Caucasian	White or Caucasian	Duty,Retired/Separate member	14 years 10 months	E-6	10	Reza, Spain	Important	Moderately important	3	
48	Male	Male	White or Caucasian	White or Caucasian	Active Duty/Navary military service	3	E-6	10	Reza, Spain	Important	Moderately important	3	
25	Female	Female	Asian or Pacific Islander	Asian or Pacific Islander	I am not affiliated with military service	6	E-4	6	Madison Iowa	Important	Moderately important	10	
	Male	Male	White or Caucasian	White or Caucasian	Retired/Separated/Va member	6	E-4	6	Iowa	Slightly important	Slightly important	2	None
21	Female	Female	White or Caucasian	White or Caucasian	I am not affiliated with military service	4	E-1 to E-3	4	East Chase WI Houston,Texas	Moderately important	Slightly important	4-5	
30	Male	Male	Black or African American	Black or African American	National Guard military service	2	E-6	2	Denver Colorado	Important	Moderately important	2	None
	Male	Male	Asian or Pacific Islander	Asian or Pacific Islander	I am not affiliated with military service	2	E-6	2	Madison WI	Moderately important	Moderately important	4	
29	Male	Male	White or Caucasian	White or Caucasian	I am not affiliated with military service	2	E-6	2	Madison WI	Moderately important	Moderately important	4	
	Female	Female	White or Caucasian	White or Caucasian	I am not affiliated with military service	4	E-6	4	Upper Midwest	Important	Slightly important	7	
38	Male	Male	White or Caucasian	White or Caucasian	I am not affiliated with military service	0	E-6	0	Kansas City	Not important	Moderately important	2	
	Female	Female	Asian or Pacific Islander/White or Caucasian	Asian or Pacific Islander/White or Caucasian	Non-military spouse of service member	19	E-8	10	Jacksonville FL	Moderately important	Important	5	
38	Male	Male	White or Caucasian	White or Caucasian	Active Duty	19	E-8	9	Spain	Important	Very important	7	
33	Male	Male	White or Caucasian	White or Caucasian	I am not affiliated with military service	3	E-6	3	Kansas City	Not important	Not important	2	
28	Female	Female	White or Caucasian	White or Caucasian	I am not affiliated with military service	8	E-6	2	Cochrane, WI	Important	Not important	Many-10	
29	Male	Male	White or Caucasian	White or Caucasian	Active Duty	8	E-6	3	Charleston SC	Moderately important	Important	20+	
	Male	Male	White or Caucasian	White or Caucasian	Active Duty/Navary military service	15	E-5	5	Hawaii	Very important	Moderately important	3	
35	Female	Female	American,White or Caucasian	American,White or Caucasian	Active Duty/Navary military service	8	E-5	10	Spain	Important	Important	3	
	Male	Male	White or Caucasian	White or Caucasian	Non-military spouse of service member	7	E-5	2	The Farm back home	Moderately important	Not important	3-4	
33	Male	Male	White or Caucasian	White or Caucasian	Active Duty/Navary military service	15	E-6	5	Waggon, ms	Important	Not important	4 people	none
28	Male	Male	Hispanic or Latino	Hispanic or Latino	Reserves/Navary	9	E-6	5	Maine	Very important	Slightly important	10	
	Female	Female	White or Caucasian	White or Caucasian	Non-military spouse of service member	7	E-6	7	Spain	Slightly important	Very important	15	
32	Male	Male	White or Caucasian	White or Caucasian	Active Duty	7	E-6	8	Sicily	Very important	Slightly important	3	
29	Male	Male	White or Caucasian	White or Caucasian	Active Duty/Navary	7	E-6	8	Spain	Very important	Very important	10-15	
36	Male	Male	White or Caucasian	White or Caucasian	Reserves	16	E-7	11	Puerto Rico	Very important	Moderately important	9	
34	Male	Male	Native American or American Indian/White or Caucasian	Native American or American Indian/White or Caucasian	Active Duty/Navary	11	E-7	5	Spain	Very important	Important	5-6	
	Male	Male	Asian or Pacific Islander/White or Caucasian	Asian or Pacific Islander/White or Caucasian	Active Duty/Navary	6	E-6	6	Chesapeake, VA	Slightly important	Not important	7	
27	Male	Male	White or Caucasian	White or Caucasian	Retired/Separated	6	E-5	7	I dont know	Moderately important	Very important	10	
	Prefer Not to Answer	Prefer Not to Answer	Prefer Not to Answer	Prefer Not to Answer	Active Duty	8	O-1 to O-3	8	San Diego, CA	Slightly important	Not important	12	

25	Female	White or Caucasian	am not affiliated with military service	8	E-5	3	Bottom	Very important	Important	Slightly important	8	
33	Male	White or Caucasian	Navy	8	E-6	5	Rotz, Spain	Important	Very important	Slightly important		
33	Male	White or Caucasian	Active Duty/Navy		E-6	5	Satellite Beach, FL	Very important	Very important	Very important		Too many to count
43	Male	White or Caucasian	Retired/Separated	20	E-6	9	King bay Georgia	Moderately important	Important	Moderately important		Only 3
28	Female	Asian or Pacific Islander	Active Duty	10	E-8	14	Spain	Very important	Very important	Important		15-20 active relationships (with communication a minimum of once a week)
50	Female	White or Caucasian	Non-military spouse of service member	7	E-7	9	Spain	Very important	Important	Moderately important		4
24	Male	White or Caucasian	Active Duty	20	E-5	4	Riza, Spain	Important	Important	Very important		6
39	Female	Hispanic or Latino	Retired/Separated	20	E-7	4	San Diego, CA	Very important	Very important	important		10
38	Male	White or Caucasian	Active Duty/Navy	7	O-5	9	Annapolis, MD	Very important	Slightly important	Slightly important		4
31	Male	White or Caucasian	Retired/Separated	45	O-1 to O-3	15	Spain	important	Moderately important	important		20-25
35	Male	White or Caucasian	Retired/Separated	45	O-1 to O-3	8	France	Very important	Slightly important	Slightly important		2
	Female	White or Caucasian	am not affiliated with military service		E-5	4	Indians	Very important	Important	Moderately important		7
32	Female	White or Caucasian	am not affiliated with military service			3	North bend Wisconsin	Very important		Very important		
32	Male	White or Caucasian	Active Duty	7	E-5	6	St. Paul, MN	Very important	Important	Moderately important		10
43	Male	White or Caucasian	Active Duty/Navy	12	O-1 to O-3	10	Spain	Very important	Important	Very important		10
33	Male	Asian or Pacific Islander	Active Duty		E-6	7	Manama, Bahrain	Not important	Very important	important		3
35	Male	White or Caucasian	am not affiliated with military service			0	Kansas city	Moderately important	Not important	Not important		0
42	Male	Black or African American	Retired/Separated	20	E-6	5	St Marys, Ga	Very important	Important	Moderately important		
32	Female	White or Caucasian	am not affiliated with military service			4	Kansas City Area	Very important	Important	important		2
53	Female	White or Caucasian	Retired/Separated	10	E-4	10	Georgia	Very important	Very important	important		
31	Male	White or Caucasian	Reserves	10	E-6	7	St Petersburg, FL	Very important	Important	important		2
	Male	White or Caucasian	Retired/Separated		E-5	5	San Diego	Very important	Very important	Slightly important		20
	Male	White or Caucasian	am not affiliated with military service			0	Midwest	Important	Moderately important	Very important		
33	Male	Black or African American, White or Caucasian	Active Duty/Navy	12	E-6	7	San diego	Very important	Moderately important	important		
40	Male	White or Caucasian	Active Duty		E-8	10	Fredericksburg, VA	Very important	Important	Slightly important		10
45	Female	White or Caucasian	Active Duty/Navy	28	O-5	13	Rotz, Spain	Very important	Very important	Very important		All of them! 100s
35	Male	White or Caucasian	Active Duty		E-6	3	Japan	Slightly important	Moderately important	Moderately important		3
30	Male	White or Caucasian	am not affiliated with military service		E-6	3	Japan	Moderately important	Moderately important	important		
62	Male	White or Caucasian	am not affiliated with military service			7	San Diego, CA	important	Very important	Moderately important		6
	Female	White or Caucasian	am not affiliated with military service			0	Missouri	Moderately important	Important	Moderately important		0
	Female	White or Caucasian	am not affiliated with military service			2	Tucson	Very important	Very important	Very important		4
28	Female	Hispanic or Latino	Non-military spouse of service member	7	E-6	11	El Puerto de Santa Maria, Spain	Very important	Moderately important	Slightly important		4
30	Male	White or Caucasian	Active Duty/Marines	9	E-6	6	Virginia	Very important	Important	Moderately important		10
28	Male	White or Caucasian	Active Duty/Marines	13	E-7	5	Beaufort south carolina	Very important	Very important	Moderately important		3
33	Female	White or Caucasian	am not affiliated with military service			5	Panama	Moderately important	Moderately important	Not important		
42	Male	Asian or Pacific Islander	Retired/Separated	20	O-4	14	Taipei, Taiwan	Very important	Important	Moderately important		8
	Female	White or Caucasian	am not affiliated with military service			11	Midwest, Michigan	Moderately important	Very important	Very important		8

28	Male	White or Caucasian	I am not affiliated with military service	Twice	Application	Very Important	Not important	Moderately important	More than 5
29	Female	White or Caucasian	I am not affiliated with military service	2	Madison WI	Very Important	Moderately important	Very important	7
30	Male	White or Caucasian	Active Duty/ Navy	3	Portland OR	Very Important	Important	Slightly important	5
31	Female	White or Caucasian	Active Duty/ Navy	E-6	Jacksonville, FL	Important	Moderately important	Important	Six
32	Male	White or Caucasian	Active Duty	O-1 to O-3	San Diego, CA	Very Important	Moderately important	Moderately important	Eight
33	Female	White or Caucasian	Active Duty	O-6	Wetters	Very Important	Important	Moderately important	10
34	Male	White or Caucasian	I am not affiliated with military service	None	Application w/	Very Important	Moderately important	Very important	3
35	Female	White or Caucasian	Active Duty	E-6	New York	Moderately Important	Moderately important	Not important	2
36	Male	White or Caucasian	Active Duty	0-5	Ventura CA (Based in	Very Important	Very important	Slightly important	10+
37	Female	White or Caucasian	Active Duty/ Navy	E-4	PT Mugu, CA	Important	Important	Not important	None
38	Male	White or Caucasian	Marines	5	Los Angeles, California	Very Important	Important	Slightly important	1
39	Female	White or Caucasian	Active Duty	20	Spain	Very Important	Very important	Important	Around 10
40	Male	White or Caucasian	Active Duty/ Marines	10	Wisconsin	Important	Important	Not important	6
41	Female	Asian or Pacific Islander	Non military spouse of service member	1	Madison, WI	Important	Moderately important	Important	1
42	Female	Hispanic or Latino/ White or	I am not affiliated with military service	5	Budapest	Very Important	Very important	Important	All close friends, maybe 20 very active?
43	Male	White or Caucasian	I am not affiliated with military service	1	In the county outside my hometown	Very Important	Very important	Very important	Numerous
44	Female	White or Caucasian	Retired/ Separated military service	10	Minnesota	Important	Important	Important	30
45	Male	White or Caucasian	Retired/ Separated military service	O-1 to O-3	Madison, WI	Very Important	Moderately important	Slightly important	16 or more
46	Female	White or Caucasian	I am not affiliated with military service	2- times	Madison	Very Important	Moderately important	Moderately important	16 or more
47	Female	White or Caucasian	I am not affiliated with military service	1	Marshfield, WI	Very Important	Important	Important	0
48	Male	White or Caucasian	I am not affiliated with military service	4	Chicago	Important	Important	Important	2
49	Female	White or Caucasian	I am not affiliated with military service	2	Madison	Very Important	Very important	Slightly important	3
50	Male	Asian or Pacific Islander	I am not affiliated with military service	4	Madison, Wisconsin	Very Important	Important	Important	3
51	Female	White or Caucasian	Active Duty/ Navy	E-4	Madison, WI	Very Important	Important	Moderately important	5
52	Male	White or Caucasian	I am not affiliated with military service	2	Philadelphia	Moderately important	Very important	Moderately important	3
53	Female	White or Caucasian	I am not affiliated with military service	6	St. Louis Missouri	Very Important	Very important	Very important	Say about 20
54	Female	White or Caucasian	I am not affiliated with military service	1	Indiana	Very Important	Slightly important	Moderately important	4
55	Female	White or Caucasian	I am not affiliated with military service	6	Washington Missouri	Very Important	Very important	Moderately important	2
56	Male	Asian or Pacific Islander	I am not affiliated with military service	Once	Madison, Wisconsin	Very Important	Moderately important	Slightly important	At least ten
57	Male	White or Caucasian	I am not affiliated with military service	1	Atalissa IA	Very Important	Not important	Important	4
58	Female	White or Caucasian	I am not affiliated with military service	2	Granite City, Illinois	Important	Slightly important	Slightly important	5-10
59	Female	White or Caucasian	I am not affiliated with military service	2	Madison	Very Important	Important	Moderately important	4
60	Female	White or Caucasian	I am not affiliated with military service	1	St. Louis Missouri	Moderately important	Important	Important	17
61	Male	White or Caucasian	I am not affiliated with military service	O-1 to O-3	Spain	Important	Slightly important	Important	7
62	Male	White or Caucasian	I am not affiliated with military service	8	Colorado	Important	Very important	Very important	4
63	Male	White or Caucasian	Retired/ Separated/ Marines	E-5	Fortran, Mo. Missouri	Very Important	Moderately important	Moderately important	3
64	Female	White or Caucasian	I am not affiliated with military service	5	Madison	Important	Important	Important	1
65	Female	White or Caucasian	I am not affiliated with military service	Seven	South St. Louis	Important	Very important	Important	Two
66	Female	White or Caucasian	I am not affiliated with military service	Two	Crown Point Indiana	Very Important	Important	Very important	Five
67	Male	Hispanic or Latino	I am not affiliated with military service	4	Tucson, Arizona	Moderately important	Important	Slightly important	7
68	Male	White or Caucasian	Active Duty	O-1 to O-3	Pearl Harbor, HI	Important	Very important	Important	~15
69	Female	White or Caucasian	I am not affiliated with military service	1	Madison	Important	Very important	Important	5
70	Female	White or Caucasian	I am not affiliated with military service	2	Madison, WI	Very Important	Important	Very important	Between 5 and 10

22	Female		White or Caucasian		I am not affiliated with military service	1	Madison	Very important	Moderately important	Important	4	
22	Female		Black or African American		I am not affiliated with military service	0	Washington, D.C.	Important	Not important	Very important	3	
29	Female		White or Caucasian		I am not affiliated with military service	9	Talca City, California	Very important	Very important	Moderately important	15	Moved often for field jobs in environmental science around the West and internationally
20	Female		White or Caucasian		I am not affiliated with military service	1	Madison	Very important	Moderately important	Important		Mainly just with my family
	Male		White or Caucasian		I am not affiliated with military service	Once	Columbus OH	Important	Not important	Very important	5	
27	Female		White or Caucasian		I am not affiliated with military service	3	Madison, WI	Very important	Moderately important	Important	4	
26	Female		White or Caucasian		I am not affiliated with military service	5	Austin, Texas	Very important	Important	Moderately important	3	
29	Male		White or Caucasian		I am not affiliated with military service	1	Evie PA	Important	Slightly important	Slightly important	3	
25	Male		Asian or Pacific Islander		I am not affiliated with military service	2	New York	Very important	Moderately important	Very important	15	
43	Female		White or Caucasian		I am not affiliated with military service	0	Madison	Very important	Important	Important	12	
62	Male		American Indian/White or Caucasian		Males	0-1 to 0-3	Missouri	Important	Important	Important	1	0
19	Female		White or Caucasian		I am not affiliated with military service	1	Madison, WI	Important	Slightly important	Not important		
	Not listed (Please Specify)	LOL. It's a gender that I think all this gender nonsense is ridiculous in reality. In male.			I don't believe that race exists, so I can't answer this question. But of course, in reality I'm probably white...							
43	Male		White or Caucasian		I am not affiliated with military service	10	Pec, Hungary	Very important	Important	Not important	0	
62	Male		White or Caucasian		I am not affiliated with military service	2	Stevens Point, WI	Very important	Moderately important	Important	2	
20	Female		White or Caucasian		I am not affiliated with military service	0	Madison	Important	Important	Moderately important	1	
21	Female		White or Caucasian		I am not affiliated with military service	1	Madison	Very important	Important	Important		Not many, maybe 2
22	Female		White or Caucasian		I am not affiliated with military service	1	Madison	Important	Important	Important	2	
21	Female		White or Caucasian		I am not affiliated with military service	2	Trout Lake	Very important	Very important	Very important	5	
25	Not listed (Please Specify)	gender fluid	White or Caucasian		I am not affiliated with military service	twice	Los Angeles	Moderately important	Important	Slightly important		not very many
19	Male		Asian or Pacific Islander, White or Caucasian		I am not affiliated with military service	1	Seattle	Very important	Very important	Important	12	a range would have been helpful here... I would say around 20 close relationships
59	Female		White or Caucasian		I am not affiliated with military service	twice	Madison	Very important	Important	Important		
59	Male		White or Caucasian		I am not affiliated with military service	5	Santa Barbara, California	Important	Very important	Slightly important		Less than 5
30	Female		Asian or Pacific Islander		I am not affiliated with military service	2	Madison, WI	Very important	Very important	Moderately important	1	
23	Female		White or Caucasian		I am not affiliated with military service	3	Pittsburgh, PA (just moved to Madison, it's a close second)	Very important	Important	Very important		lots, most of my relationships are distant
22	Female		White or Caucasian		I am not affiliated with military service	1	San Francisco	Very important	Very important	Very important	30	I think political ideology is an important factor to me when I think of sense of place as that trickles down into norms
22	Female		White or Caucasian		I am not affiliated with military service	1	Madison, WI	Very important	Important	Important	3	
22	Female		White or Caucasian		I am not affiliated with military service	0	my hometown I guess since that's the only place I lived	Moderately important	Very important	Slightly important	2-3	
26	Female		White or Caucasian		I am not affiliated with military service	1	Madison	Very important	Very important	Very important	3	topic seems interesting!

32	Female	Hispanic or Latino	I am not affiliated with military service	1	0-1 to 0-3	3	Mexico City	Very important	Moderately important	Moderately important	15
22	Female	White or Caucasian	Navy	12	0-1 to 0-3	2	San Diego, CA	Very important	Important	Moderately important	2
30	Female	White or Caucasian	Active Duty, Navy	7	0-1 to 0-3	6	Bahrain	Very important	Important	Not important	
29	Female	White or Caucasian	Active Duty, Navy	15	E-6	Seven times	Virginia	Very important	Important	Not important	
35	Female	Latino/Hispanic or American Indian	Active Duty, Navy	8	E-6		Gulfport, MS	Important	Moderately important	Not important	Eight
29	Female	White or Caucasian	Active Duty, Navy	5	0-1 to 0-3	3	San Diego	Very important	Important	Not important	
29	Female	White or Caucasian	Active Duty, Navy	8	E-5	6	Shoals Ferry, NC	Very important	Slightly important	Moderately important	6
28	Female	Hispanic or Latino	Active Duty, Navy	6	0-1 to 0-3	3	Texas	Moderately important	Moderately important	Moderately important	10
32	Female	White or Caucasian	Active Duty, Navy	9	0-1 to 0-3	7	Reus, Spain	Very important	Important	Moderately important	2
29	Female	White or Caucasian	Active Duty, Marines	10	0-1 to 0-3	10	San Diego	Very important	Moderately important	Slightly important	5
27	Female	Hispanic or Latino	Active Duty, Navy	5	0-1 to 0-3	4	Japan	Very important	Very important	Very important	10-15
29	Female	White or Caucasian	Active Duty, Navy	4	0-1 to 0-3	4	Pensacola, FL	Very important	Very important	Very important	5
29	Female	White or Caucasian	Navy	4	E-5	3	Pennsylvania	Very important	Moderately important	Moderately important	4
27	Male	White or Caucasian	I am not affiliated with military service	7	0-1 to 0-3	3	Umeå, Sweden	Not important	Very important	Moderately important	1
29	Female	Asian or Pacific Islander, White or Caucasian	Active Duty, Navy	7	0-1 to 0-3	10	Norfolk, Va	Not important	Moderately important	Moderately important	4
30	Female	White or Caucasian	Active Duty, Navy	8	0-1 to 0-3	6	Hawaii	Important	Very important	Important	4
20	Female	White or Caucasian	I am not affiliated with military service				San Diego, CA	Important	Important	Moderately important	5
23	Female	White or Caucasian	I am not affiliated with military service								
23	Female	White or Caucasian	I am not affiliated with military service								
32	Female	White or Caucasian	Non-military spouse of service member	1			Madison	Very important	Important	Very important	
21	Male	White or Caucasian	I am not affiliated with military service								
21	Female	White or Caucasian	I am not affiliated with military service								
19	Transgender	White or Caucasian	I am not affiliated with military service								
25	Female	White or Caucasian	I am not affiliated with military service								
21	Female	White or Caucasian	Retired/Separated Navy	6.5	0-1 to 0-3	6	Lakewood, Ohio	Very important	Moderately important	Important	6
24	Gender Non-conforming	White or Caucasian	I am not affiliated with military service				Madison	Very important	Important	Slightly important	1
30	Female	White or Caucasian	Active Duty	5	E-6	4	Northampton, MA Tucson AZ	Very important	Moderately important	Important	Three
48	Male	White or Caucasian	I am not affiliated with military service				Marion (Santa Barbara close second)	Very important	Important	Slightly important	3
29	Female	Asian or Pacific Islander, Black or African	Reserves					Very important	Important	Important	none
29	Male	American, Hispanic or	Active Duty, Navy	11	0-1 to 0-3	7	San Diego/Austin	Important	Important	Important	5-5

Appendix D – Interviews

Privacy statements for all interviews are available upon request (jvoigt2@wisc.edu or cmcanallen@wisc.edu). To protect the identities of all individuals interviewed they will not be included in this paper.

Interviewee: Alpha

Interviewer: Cassandra McAnallen

Date of Interview: 31 Oct 2019

<p>Interviewer: I'm going to do some demographics first.</p> <p>Interviewee: Great.</p> <p>Interviewer: You do not have to answer any of them if you don't want to. Age?</p> <p>Interviewee: 51.</p> <p>Interviewer: You're an O-6 and you've been in for 22 years...?</p> <p>Interviewee: 29 years...</p> <p>Interviewer: How many places have you lived since turning 18 sir?</p> <p>Interviewee: Counting college?</p> <p>Interviewer: Since turning eighteen sir, so yes.</p> <p>Interviewee: 18.</p> <p>Interviewer: Of those places which one was your favorite?</p> <p>Interviewee: I enjoyed San Diego. I was stationed there twice...</p> <p>Interviewer: Okay...</p> <p>Interviewee: The first time I was there I met my wife. That's pretty self-explanatory of why I enjoyed it the first time. Then I went back for my float XO tour which was fantastic.</p> <p>Interviewer: Did you meet your wife the first time?</p>	<p>Affiliation - Affiliated with the military</p> <p># of moves - 18</p> <p>Favorite place - San Diego, CA</p> <p>Reason(s) for favorite place - Met wife, job</p>
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Interviewee: First time, during my second department head tour. I met her right near the end of my tour. The first part of my tour I was underway a lot, attached to a great staff...

Interviewer: I hear that's a good thing as a SWO...

Interviewee: As a SWO yeah, but this was my fourth afloat tour. I was attached to destroyer squadron staff and my second department head tour. I already had four deployments under my belt, I was done.

Interviewer: What years were you there?

Interviewee: I was in San Diego from 2000 to 2002 the first time and 2004 to 2005 the second time.

Interviewer: Did your wife come with you...so if you met her at the end of your tour did she come with you...?

Interviewee: I met her at the end of 2001 and detached in May 2002...

Interviewer: Okay..

Interviewee: We went back, we were married, right at the beginning of 2004.

Interviewer: Was she excited to go back?

Interviewee: She was, she had a lot of friends that were still there...

Interviewer: Is she from San Diego?

Interviewee: She's from San Jose...

Interviewer: Okay...Alright...San Diego is probably cooler than San Jose...

Interviewee: Well San Jose is Silicon Valley, it's prohibitively expensive to live there.

Interviewer: It's expensive even in San Diego though...

Interviewee: That's true.

Interviewer: If it's more expensive than San Diego, no thank you...

Interviewee: It's far more expensive than San Diego.

Interviewer: That's been a hot topic between Cayt and I, if we want to commit to that expense, but I think we're sticking to it...

Interviewee: Well being married you have to make that decision jointly. When this job was offered to me in the summer of 2016, for all the right reasons it was get out of the weather that is DC, but also give up a lot of post retirement opportunities inside the beltway...come to Wisconsin, weather is better, closer to family, great job...but the job prospects are a bit more restricted.

Interviewer: I feel like they are probably a lot different too...

Interviewee: Yeah! Just a little bit...

Interviewer: So in San Diego, why would you say it was your favorite place? I know you met your wife the first time, are there any other reasons...?

Interviewee: The weather was generally agreeable...

Interviewer: Weather generally agreeable...

Interviewee: Because of the weather there are a lot of things to do outside...mountain biking, sailing, running, my wife liked roller blading back then...there are a lot of outside things to do in agreeable weather...

Interviewer: That kind of leads me to my next question... What was your favorite physical characteristic of the place, weather, forests, beaches...?

Interviewee: The weather, the water...I wasn't a beach guy, never was...but the ocean is nice...from a professional standpoint it has a short sea and anchor detail in comparison to Norfolk and Everett... Everetts sea and anchor detail, pulling away from the pier, takes 30 minutes but then you are at sea detail and nav detail for another 6.5 hours to get out of the strait of Juan de Fuca...

Interviewer: Okay...I was gonna say I'm not sure why that would be, so I'm glad you explained it...

Interviewee: San Diego sea and anchor detail, from pier side to 1SD, which is the channel marker that marks the end of the inlet side of the channel is about 40 minutes, it's nice...In Norfolk, you're at sea and anchor detail for almost 2 hours...

Interviewer: Good things to look forward too...What were you favorite cultural features in San Diego, so that includes institutions,

Reason(s) for favorite place (cont.)
- Weather

Favorite physical feature(s) in favorite place - Weather, short sea anchor detail

<p>monuments, the language basically things that are human made...</p> <p>Interviewee: I really enjoyed the food.</p> <p>Interviewer: The food...nice.</p> <p>Interviewee: There were a lot of options and opportunities for food, whether it was downtown in Gaslamp or it was up in Ocean Beach, Mission Beach...</p> <p>Interviewer: Okay...</p> <p>Interviewee: Pacific Beach for that matter, La Jolla, I mean all the way out to [inaudible]...if you're a foodie San Diego is a great place to be.</p> <p>Interviewer: Nice, do you have a favorite restaurant that Cayt and I should check out when we get there...?</p> <p>Interviewee: I'll have to look in my...</p> <p>Interviewer: I'll be sure to pick your brain before I leave...</p> <p>Interviewee: Right, some of them may now be defunct, but there is a cornucopia of food to avail yourself...</p> <p>Interviewer: Nice, we do enjoy food so that will be great.... What's your favorite memory from San Diego?...There is a right answer to this since you're married, I'm joking...</p> <p>Interviewee: Right well I was going to qualify it, there are two favorite memories...Number one, meeting, dating and hanging out with my wife...but professionally the job was great the first time around because I was the material officer at the destroyer squadron, so I had seven ships, which meant I had seven chief engineers and seven supply officers for my interlocketers, so I was deeply enmeshed in engineering qualifications and supply management inspections on all seven ships and I was underway a lot more than the rest of the staff...and then I had two, we were short, we were long cycled between carriers because the squadron had just come off Eisenhower and the destroyer squadron was going to be next assigned to the Nimitz striker, but Nimitz was still under RCOH in Newport News, so what we wound up being was...when we still deployed in this construct of MEF, the MEF construct was three destroyers as a Maritime Expeditionary Force...so we were the certifier for the MEFs that went and they went about once every 30 to 60 days so we were the MEF certifier and one of those MEFs we got to certify a high endurance Coast Guard cutter, it was a frigate, a DDG and a high endurance cutter from the Coast Guard, it was really really neat working with the Coast Guard...so we did that and</p>	<p>Favorite cultural feature(s) in favorite place - Food</p>
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we were made the Teamwork South coordinator...Teamwork South is a bi-annual exercise between the United States, Chile, the UK and Canada and we had to fly down to Chile for planning conferences and then we did a four week, almost five week, exercise off the coast of Chile in the middle of June and July, which was high winter down there...

Interviewer: Did you get to port in Chile at all..?

Interviewee: Yes...I love Chile...Notwithstanding what's going on down there in Santiago...Chile is really the only country on the South American continent that has a true middle class...It's feeling a little pressure economically right now, like the rest of the world right now... it truly has a sizable middle class and it bares a lot of resembles to the countries that had the most influence there...the Chileans were the first on the continent to kick the Spanish out in 1815, the Spanish tried to come back and they kicked them soundly in the face again...most of that had to do with the fact that the Chileans chose to affiliate with the Germans and the British to train their army and their navy, so there is a lot of German and UK influence in their armed forces, it's a very modern and very proud country...I thoroughly enjoyed operating with them, total professionals at sea, and then right in the middle of that we came back from Teamwork South and 9/11 happened...so there was some very interesting things after 9/11, in the immediate wake of 9/11, we were the Air Defense coordinator for the west coast of the United States as the destroyer squadron and we got underway, when 3rd fleet had a flagship, the USS Coronado got underway and the staff was underway with Coronado as the adjunct to 3rd fleet, we were the Air Defense coordinator, and we had DDGs or CGs loitering off the coast of Seattle, Portland, San Francisco, Los Angeles and San Diego, and those ships were there with the specific intent of shooting down any aircraft approaching the continental United States that was not identified...pretty heady stuff...

Interviewer: Wasn't the XO on the west coast at the same time...?

Interviewee: He was attached to an E2 squadron at Point Mugu...

Interviewer: So were you technically in charge of him even then...?

Interviewee: No, he may have been doing some radar support...it was all part of the fusion that we had...so we would get the fusion plot of all the FAA radars, as well the navy radar and other armed forces radar, and we would get the fusion plot and the IFF squawks on all these airplanes and we had continental air defense of NORAD dialed up, we had western air defense sector dialed up, and then we had the White House situation room on the third circuit...pretty interesting times...

<p>Interviewer: Yeah, I feel like I was in fourth grade, not doing a whole lot, so putting it in perspective it makes me feel...I look forward to what can happen, not that I'm hoping something like that happens again...</p> <p>Interviewee: Absolutely...and then after that the next cycle started that next summer...we were the task element coordinator for CARAT, Cooperation Afloat for Readiness and Training, it's a pacific basin swing...we did Malaysia, Indonesia, Thailand, Brunei, and the Philippines...we did joint exercises with all of them, we took three US ships down there and went around and did joint exercises with all those countries...it was really pretty cool...</p> <p>Interviewer: I think that was one of Cayt's favorite things, being in Spain, was all the joint exercises she got to do...She still talks about it...I wasn't as lucky as a support person...</p> <p>Interviewee: The second time around I went back with my wife, I was the XO on a ship, it was great, and then we got the order, right at the end, the last four months of my tour, we were going to be in Japan...we did a homeport shift for the ship, from my favorite port to my least favorite, Yokosuka, Japan...</p> <p>Interviewer: That will be a question further on....How was the sense of community in San Diego?</p> <p>Interviewee: It was more neighborhood...</p> <p>Interviewer: Neighborhood...</p> <p>Interviewee: We lived in Mission Hills Hillcrest border, so the commute to the ship was great...the first time I was there I lived in Gaslamp, right downtown, a block from Petco, which was awesome...</p> <p>Interviewer: That's where we're looking to live...</p> <p>Interviewee: And I could dive directly into all the restaurants that were there...it was terrific...and then my wife live in Pacific Beach, so we had a place downtown and place on the beach...</p> <p>Interviewer: That's kind of awesome...</p> <p>Interviewee: And when we went back, we got a condo right where Hillcrest and Mission Hills meet there and it was a complete neighborhood...diner across the street, two blocks down was the hardware store and it was a really, really great sense of community there...</p>	<p>Sense of community in favorite place - More neighborhood</p>
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<p>Interviewer: So you already told me, but Yokosuka, Japan was not your favorite place...</p> <p>Interviewee: Not my favorite place...it's not at all anywhere but the bottom of my favorite places...and a lot of people like Japan, a lot of people don't like Japan, but the circumstances around me being in Japan was why I hated it...I had a CO I hated, the last four months of my job, the XO tour, we had a change of command, and we got an absolute toxic leader and it was everything I could do to protect the crew from this guy...he was eventually fired, after I left, long after I left, but seperate story...he was just an awful leader, awful awful leader...I was never able to get away from the ship, he kept me tethered to the ship...and I was living onboard the ship, I was only going to be there for four months and my wife was in San Diego, I was only going to be there four months...It was really a substandard situation..Yokosuka could have been better, but all I harbor are horrible memories of the time I was there, because of the jackass that I worked for...</p> <p>Interviewer: That's unfortunate...you live in Madison now...?</p> <p>Interviewee: I do...</p> <p>Interviewer: Is it Verona...?</p> <p>Interviewee: I live in Middleton, technically it's Madison...I'm in the Middleton zip code, but all the services are Madison...</p> <p>Interviewer: Got it...It's really weird how Madison breaks up..with Monona too, just this little hub that isn't Madison...</p> <p>Interviewee: That's right...</p> <p>Interviewer: They're very proud of that...What's your favorite cultural feature here?</p> <p>Interviewee: It goes back to food...my wife and I are foodies...</p> <p>Interviewer: Food...</p> <p>Interviewee: We love to eat, all kinds of opportunities here...and just the deep originalist culture that is Madison...you know you get beyond the liberal silliness that is the University and these are true salt of the earth people here in Wisconsin and it really resonates with me...I really like Wisconsinites...</p> <p>Interviewer: So the people have a pretty big influence on you here...</p> <p>Interviewee: Absolutely...</p>	<p>Least favorite place - Yokosuka, Japan</p> <p>Reason for least favorite place - Job</p> <p>Current location - Middleton, WI</p>
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wife and I have met, through networking, social networking, again I love love the people in Madison and Wisconsin by-in-large...

Interviewer: There's lots of cheeseheads here...

Interviewee: I'm an adopted cheesehead now, since I grew up in the northwest suburbs of Chicago...

Interviewer: I'm glad we could convert you...

Interviewee: I mean, it's very happy memories from growing up...my parents would come up here all the time, family vacations, or day trips...

Interviewer: When I joined, I never thought I would have the opportunity to come back to Wisconsin while I was still active, except for leave...

Interviewee: And now you own a house...

Interviewer: Yeah...now I own a house...the opportunity to come back close to where I grew up is awesome...

Interviewee: It is...

Interviewer: Do you think that moving 18 times has influenced how you form attachments to places?

Interviewee: If I said no I would be lying...the nature of...you can ask any military brat the same thing, military dependent...moving forces you to form more and different kinds of relationships than someone who stays in the same place their entire formative years and then their entire work life...

Interviewer: That's a good quote.

Sense of community in current location - Building

Perceived effect of moving on place/people attachment - "Moving forces you to form more and different kinds of relationships than someone who stays in the same place their entire formative years and then their entire work life"

million military people running around...it was kind of like 'really, you're at a navy base here', people really didn't know...so I liked that part of it...plus it was my first fleet tour out there and it had a great squadron that I was apart of, it was a lot of fun, we weren't there all the time, you know I was kind of gone a lot, but I really enjoyed that...but that was when I was single, so it was a little different also...anyway I just love the area, I had a great time...

Interviewer: What years were you there for?

Interviewee: Early 2000 to late 2003.

Interviewer: What was your favorite cultural feature of that area? So human made aspects...

Interviewee: I guess...California vibe...is that a thing?

Interviewer: Yeah.

Interviewee: I liked that Ventura was very laid back and the downtown area was kind of, it had a really cool nightlife scene, it wasn't like clubbing...it was more my speed...it was very beachy...I like that...

Interviewer: I'm going to quote 'California vibe' in my paper just so I can put it in there...

Interviewee: Yes. I think it's a thing...

Interviewer: I'll Google it.

Interviewee: There is definitely some kind of vibe...

Interviewer: Maybe it's on Urban Dictionary or something...

Interviewee: Probably.

Interviewer: Somewhere that we can define this better...

Interviewee: Definitely.

Interviewer: Low speed nightlife..

Interviewee: Yeah. I think I liked living there as a military guy, and not being a state resident, so I didn't have to pay taxes...

Interviewer: What was your favorite physical feature?

Interviewee: Well, just the landscape...it was absolutely beautiful all the time...we were right near the mountains...and plus being a pilot,

Reason(s) for favorite place -
Secluded from other military members, job

Favorite cultural feature(s) in favorite place - California vibe, nightlife, beachy

flying out there was amazing...it was some of the coolest flying...

Interviewer: More for my curiosity...when you were flying were you flying more over the land or the ocean?

Interviewee: We did both...when we were practicing, like mission stuff, we would do a lot of it over the water since there's big ranges and stuff...but we would also go inland and stuff because China Lake, I don't know if you're familiar with that...

Interviewer: I'm familiar...

Interviewee: It's in the middle of the desert...

Interviewer: I've heard to avoid that place...

Interviewee: Yeah...huge ranges there as well...so we did some stuff up there...and we'd go to Lemoore, for work with the air wing there...but if we were just doing a proficiency hop...like we need to shoot approaches or do night whatever, we would fly to some really cool little airports...and there was one, Paso Robles, which was this little dinky thing...we would tell them we were coming and they would clear everyone out and we would just come zinging in there...it was really fun...anyway, a little of both...

Interviewer: Okay... What is your favorite memory from that place?

Interviewee: Well friends of mine, squadron mates, all junior officers, like I was at the time, they were renting a house in Oxnard and it was right on the water, and it was huge...four of them lived there, we would go there all the time and we had a band...

Interviewer: Like a band you were in...

Interviewee: Like an actual band, I was the bass player...and so I was the bassist, and the guy who was really actually musically inclined played the guitar and sang and we would just follow along, and my other friend played the drums...there were some good memories on deployment, but in that area, that was some of the best times, just being at their house hanging out...

Interviewer: Playing music...

Interviewee: Yeah and just hanging out with your closest buddies and all that...

Interviewer: What was the sense of community like there?

Interviewee: The area, I can't really speak of...we would go out and stuff and we knew some people in the area, but we just hung out

Favorite physical feature(s) in favorite place - Landscape

<p>Interviewer: Oh...</p> <p>Interviewee: Of course no one knows what that is...so I wasn't really that keen on it there, but...in Montgomery when we were there, similar feel to it, bigger city...and when I was there I was going to school and I really liked that part of it, what I was doing there, I just didn't like the area...but we had like 30 or 28 days over 100 degrees and I didn't like it at all...even though today is miserable...I prefer this over 100 degree days straight in a row...</p> <p>Interviewer: The CO was just telling me how he likes this weather...</p> <p>Interviewee: Oh, okay...well I don't mind this weather to be honest, but not on Halloween...maybe a month from now...</p> <p>Interviewer: Yeah, I don't think the city was really prepared for it either...they haven't really plowed...</p> <p>Interviewee: No... I saw a couple trucks out there, and I drove through a neighborhood on the way in this morning because I was trying to get out of a line of cars that was just backed up at a light forever, so I was just taking another way...and it was totally just a mess...it was not good...</p> <p>Interviewer: You live in Verona now correct...?</p> <p>Interviewee: Yep.</p> <p>Interviewer: What is your favorite cultural feature of Verona? If you have one...</p> <p>Interviewee: It doesn't have a ton of culture, but the people are really nice...</p> <p>Interviewer: The people...</p> <p>Interviewee: And it has some really cool local...I was telling you guys about the one, it's called Avanti's...</p> <p>Interviewer: The restaurant...</p> <p>Interviewee: It's a local restaurant and bar...they've got the Wisconsin Brewing Company there, which they do concerts on Friday nights in the summer...they've got another brewhouse there, you know some cool local stuff that's really fun...and our neighborhood is really nice, our neighbors are great, I like everyone in our neighborhood...like the people the most...</p> <p>Interviewer: The people the most...okay...are there any cool physical features in the area that you like...</p>	<p>Current location - Verona, WI</p> <p>Favorite cultural feature(s) in current location - People, local restaurants</p>
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<p>Interviewee: I love the farmland and the rolling hills I guess you can call them, you know they aren't mountains...the terrain features...I really like...I go to work down Whalen Road, I don't know how familiar you are with it, but then you go down Seminole Highway and you take it all the way up and it goes through Fitchburg...that area as you come out of Verona and go into Fitchburg is just beautiful and like the landscape, I really like it...</p> <p>Interviewer: How's the sense of community in Verona?</p> <p>Interviewee: Oh good, it's very good, it's a very tight knit community...it's growing quickly so I don't know if that's adding to it or not, but people are integrating, it's growing so quickly...and people are embracing that too...the new high school is being built...so people like to invest in that town because they see how it's growing...I think it's pretty good...</p> <p>Interviewer: Do you think moving 12 times has affected how you form attachments to people and places?</p> <p>Interviewee: Absolutely yes. So I have never, well the closest I felt to more permanent, it was because I liked the house we were in and I liked the neighborhood we were in, was in Omaha, Nebraska...I was in a STRATCOM there, it was a horrible job, but I liked the area...it was my one staff job, I realized that I never want to have a staff job...anyway...so that was the one place I felt a little more connected, but not so much anywhere else because I always felt temporary in the location...I've never been able to...you know I've tried, I tried to get involved with stuff, but you just don't feel that permanent...it just never does because most of the places we went, the longest place I lived was 5 year, that was in Virginia Beach, where I came from last, the only time I've ever done two sets of orders in one place in a row....even there I never felt connected to the area...</p>	<p>Favorite physical feature(s) in current location - Terrain/landscape</p> <p>Sense of community in current location - Very tight knit</p> <p>Perceived effect of moving on place/people attachment - Never felt permanent</p>
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Interviewee: Charlie

Interviewer: Cassandra McAnallen

Date of Interview: 31 Oct 2019

<p>Interviewer: So we will do some demographics first...how old are you?</p>	
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<p>Interviewee: 30.</p> <p>Interviewer: You are an E-6?</p> <p>Interviewee: E-6.</p> <p>Interviewer: And you've been in the Navy for 9 years?</p> <p>Interviewee: 9 Years.</p> <p>Interviewer: Alright. How many places have you lived since you turned 18.</p> <p>Interviewee: Let me see. I think it's 8.</p> <p>Interviewer: 8.</p> <p>Interviewee: Wait. Let me count...I think it's 7, lets call it 7...</p> <p>Interviewer: Of the 7 places you've lived which one was your favorite?</p> <p>Interviewee: My favorite was Virginia Beach...</p> <p>Interviewer: Why?</p> <p>Interviewee: Because I really liked my job there...and I had a lot of friends that lived in my neighborhood...one of my best friends lived like three houses from me...</p> <p>Interviewer: What was your favorite cultural feature in that location?</p> <p>Interviewee: Favorite cultural feature...</p> <p>Interviewer: Essentially any man-made features...</p> <p>Interviewee: Man-made features...hmmm</p> <p>Interviewer: We can loop back to it if you want...</p> <p>Interviewee: Well I mean it is a Navy town so it's the best Navy culture town that I've lived in...</p> <p>Interviewer: I don't know what a good follow up is for that so...What was your favorite physical feature of the area?</p> <p>Interviewee: Physical feature...the weather was always good and they have good beaches within a short distance...the roads were really good...which seems like a small thing, but the infrastructure</p>	<p>Affiliation - Affiliated with the military</p> <p># of moves - 7</p> <p>Favorite place - Virginia Beach, VA</p> <p>Reason(s) for favorite place - Job, friends in close proximity</p> <p>Favorite cultural feature(s) in favorite place - Navy culture</p>
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<p>was really good...</p> <p>Interviewer: Surprisingly enough, that would be a cultural feature, but don't worry I got you...What is your favorite memory of Virginia Beach?</p> <p>Interviewee: Favorite memory of Virginia Beach...probably...BBQing and holidays with my friends that lived close by...</p> <p>Interviewer: How strong was the sense of community there?</p> <p>Interviewee: In that way, really strong, like the Navy family way...</p> <p>Interviewer: Which place was your least favorite to live of the 7?</p> <p>Interviewee: Umm...I will say the time when I lived back home in Minnesota, after having moved out...</p> <p>Interviewer: I'm going to go back to your favorite place...what years did you live in Virginia Beach?</p> <p>Interviewee: 2014 till 2017.</p> <p>Interviewer: Okay...so...why was Minnesota, after moving back there, your least favorite place?</p> <p>Interviewee: That was more of a circumstance of like my position in life at the time, not really the place...obviously having grown up there it was good, but also, I guess growing up I wanted to get out, like I moved to Chicago...there wasn't a lot going on...</p> <p>Interviewer: So you live in Madison currently...</p> <p>Interviewee: I do...</p> <p>Interviewer: Why did you move here?</p> <p>Interviewee: To get a degree in Geology and more importantly to get commissioned in the Navy.</p> <p>Interviewer: What is your favorite cultural feature of this location?</p> <p>Interviewee: I like the variety of cultural experiences you can get, like ethnic food places...places like...what is that place over by...is it Willy Street that we go to?</p> <p>Interviewer: Yes...what is your favorite physical feature of this location?</p>	<p>Favorite physical feature(s) in favorite place - Weather, beaches, roads</p> <p>Sense of community in favorite place - Really strong among Navy</p> <p>Least favorite place - Minnesota (after moving back)</p> <p>Reason(s) for least favorite place - Position in life</p> <p>Current location - Madison, WI</p> <p>Favorite cultural feature(s) in current location - Variety of</p>
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<p>Interviewee: There are hills...and because I like rocks and geology, all of the glacial landforms, such as Devils Lake...</p> <p>Interviewer: Do you have a favorite memory of this place?</p> <p>Interviewee: Hmm...I hadn't thought about that...favorite memory...lets see...okay favorite memory here is...I guess because I'm thinking of it...we went and hiked Devils Lake a few times, with two to three friends...I don't think it would have been as much fun if I went by myself...</p> <p>Interviewer: Probably not...</p> <p>Interviewee: Because then I couldn't tell anyone about the rocks!</p> <p>Interviewer: Do you have a strong sense of community here?</p> <p>Interviewee: Yes.</p> <p>Interviewer: Is that like a Navy community again, or your neighborhood community or the university...</p> <p>Interviewee: Navy for sure...but also I bought a house and in my neighborhood, it's the only place I can remember living where I regularly talk to my neighbors...</p> <p>Interviewer: Do you think moving 7 times has influenced the way you form attachments to places or people?</p> <p>Interviewee: Yes.</p> <p>Interviewer: How so?</p> <p>Interviewee: Because I know that I will be moving again within a few years usually, it changes where I decide to live, whether or not I rent a place, who I live with...like its more economical to have roommates than to live by myself...and I don't invest in as many permanent possession type things, except now I own a house so that's different...</p>	<p>cultural experiences available</p> <p>Favorite physical feature(s) in current location - Hills, glacial landforms</p> <p>Sense of community in current location - Strong for Navy, strong for neighborhood</p> <p>Perceived effect of moving on place/people attachment - Changes living location and circumstances</p>
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Interviewee: Delta

Interviewer: Cassandra McAnallen

Date of Interview: 04 Nov 2019

<p>Interviewer: We'll start with some demographics...Have you ever served in the military or been affiliated with the military?</p> <p>Interviewee: No, I have not.</p> <p>Interviewer: How old are you?</p> <p>Interviewee: I am 28.</p> <p>Interviewer: How many places have you lived since turning 18?</p> <p>Interviewee: I've lived in three separate places.</p> <p>Interviewer: Of the three places, which was your favorite?</p> <p>Interviewee: Madison Wisconsin.</p> <p>Interviewer: Why?</p> <p>Interviewee: A lot of reasons, but probably all the people I've met and the friends I've made...I also have family ties here, my brother lives here, so it means a lot to be really close to him...and to be pretty close, but not really close to my parents who live about two hours away.</p> <p>Interviewer: What is your favorite cultural feature of Madison?</p> <p>Interviewee: The university being here is probably my single favorite thing. It's kind of a cheat answer because it encompasses a lot of things and activities...like spending time on the Memorial Union Terrace when it's really nice out and just listening to music or looking out at the lake...</p> <p>Interviewer: What's your favorite physical feature?</p> <p>Interviewee: The capital being surrounded by the two lakes is a great feature...so Lake Mendota and Lake Monona...people do all sorts of fun water activities, like I was in Hoofers, which was a sailing club, also apart of the university, so I did some sailing around Lake Mendota...it was pretty fun</p> <p>Interviewer: What's your favorite memory of the area?</p> <p>Interviewee: My favorite memory is probably any number of the Thanksgiving parties we've had at my brother's house since he</p>	<p>Affiliation - Not affiliated with the military</p> <p># of moves - 3</p> <p>Favorite place - Madison, WI</p> <p>Reason(s) for favorite place - People, family ties</p> <p>Favorite cultural feature(s) in favorite location - The university</p> <p>Favorite physical feature(s) in favorite location - Lakes</p>
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<p>purchased it and moved in...it's a tradition we've carried on for a while and it really brings together the friends we've made in Madison, as well the friends we've kept from earlier in life...and you know we might as well make use of his big fun house...</p> <p>Interviewer: What do you think the sense of community is like here?</p> <p>Interviewee: In Madison I would say people have a pretty darn strong sense of community...with it being the state capital and the university being here...a lot of strong political feelings and togetherness around certain aspects of that...</p> <p>Interviewer: What was your least favorite place to live?</p> <p>Interviewee: Probably Palatine, Illinois... which is where I'm from...</p> <p>Interviewer: Why?</p> <p>Interviewee: It's kind of in the middle of suburbia, so it's cool for suburbia, but suburbia isn't very cool...and the other two places I've lived...I went to the University of Illinois in Urbana-Champaign, which is another college town...and moving to a college town there are a lot of opportunities to explore and people to meet, there is a lot of new things to do, and with the university there is also a ton of things to get involved with...in Palatine, it's got a kind of endless suburban sprawl feel, there isn't a lot to do except with the high school you go to, and a lame downtown scene, which is still probably the best downtown for a suburb...</p> <p>Interviewer: Anything else to add to why Palatine wasn't your favorite?</p> <p>Interviewee: Umm...proximity to annoy family members...</p> <p>Interviewer: Do you think moving three times since turning 18 has affected how you form attachments to places?</p> <p>Interviewee: I would say so. At this point I have lived in each location for a long time, so I view friendships as long term commitments...you know, I'm not jumping from friendship to friendship, town to town...</p>	<p>Sense of community in favorite location - Pretty darn strong</p> <p>Least favorite place - Palatine, IL</p> <p>Reason(s) for least favorite place - Suburbia, proximity to family</p> <p>Perceived effect of moving on place/people attachment - Have been able to establish long term commitments with friends due to long duration at each location</p>
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Interviewee: Echo

Interviewer: Cassandra McAnallen

Date of Interview: 07 Nov 2019

<p>Interviewer: We will start with some demographics first...How old are you?</p> <p>Interviewee: I am 27.</p> <p>Interviewer: How long have you been in the military?</p> <p>Interviewee: About 5 years.</p> <p>Interviewer: And you're an O-3...How many times have you moved since turning 18?</p> <p>Interviewee: I think 4.</p> <p>Interviewer: Of the four places you've lived, which one was your favorite?</p> <p>Interviewee: Los Angeles.</p> <p>Interviewer: That's where you went to college right sir?</p> <p>Interviewee: Yes, I went to UCLA.</p> <p>Interviewer: Why was it your favorite?</p> <p>Interviewee: So, I see you have the two questions, the cultural feature and the physical feature...culturally, the diversity of the place, I was pretty young, hanging out with roommates, and I was longboarding everywhere, I was very free and it was fun...physical feature, the beach, the weather, it was amazing, also California too you have the beach and then a two hour drive you have Big Bear and the snow if you want it...really the only issue with the place is the traffic, but besides that you can go, you can be rich, you can just relax, you have the nightlife, you can get all nice and clean and prepped up and kind of be whoever you want to be out there...</p> <p>Interviewer: Do you have a favorite memory from being there?</p> <p>Interviewee: The best year I was out there was 2014 to 2015...that was when I was getting my masters, I was done with ROTC and I had like a year and a half wait till The Basic School and I kind of figured out this academic thing, so I was performing very well academically, but still balancing hanging out with friends and partying...I had kind of gotten where I did academics during the work week and then I could just hang out Friday and Saturday...I just had it all balanced out...</p> <p>Interviewer: What years were you in LA?</p>	<p>Affiliation - Affiliated with the military</p> <p># of moves - 4</p> <p>Favorite place - Los Angeles</p> <p>Favorite cultural feature(s) for favorite place - Diversity, freedom</p> <p>Favorite physical feature(s) for favorite place - Beach, weather, proximity to Big Bear</p>
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<p>Interviewee: Between 2010 and 2015...and then I guess I was kind of there between 2016 and 2019 because I was stationed at Camp Pendleton and I would drive up...</p> <p>Interviewer: Yeah that's only an hour or two drive, depending on traffic, right?</p> <p>Interviewee: Yep, that's right...same thing when I was in Twenty-nine Palms, I would drive over there too, that's about two and a half hours...</p> <p>Interviewer: And then you came to Wisconsin...</p> <p>Interviewee: Yep, I have reasons for that too...</p> <p>Interviewer: Was there a strong sense of community while you were in LA? And that can be the LA community or the military community or whatever...</p> <p>Interviewee: I would say the...I mean I had a strong sense of community with the ROTC folks, we kind of had a hodgepodge of people that either respected the military or were in or associated with ROTC, that was like my friend group, and it turned out to be a pretty diverse group of good people just because I think people who are associated with the military have to have some kind of standard or moral compass so you have good people there...now being in LA I would just be there because of my girlfriend, so it's more of a community of being part of a family...but my friends are now all over the place...some are in New York, some are in San Francisco, so it's much harder to get access...</p> <p>Interviewer: Of the four places you've lived, which one is your least favorite?</p> <p>Interviewee: I would say Virginia...</p> <p>Interviewer: Which part of Virginia?</p> <p>Interviewee: Quantico, so I was doing introductory officer training...that's when I was completely isolated...</p> <p>Interviewer: You guys weren't allowed off base that often were you? Sometimes on the weekends, but not always...</p> <p>Interviewee: So we were fairly free, but I did not... you know looking back I probably could have had more of an impression to take advantage of the area, like Washington D.C. and Richmond, and all that area, and I somehow didn't...you know I had just finished my masters and I really wanted to be competent you know, I was coming off of a masters degree and going to basic military training,</p>	<p>Sense of community in favorite place - Strong among ROTC people</p> <p>Least favorite place – Quantico, VA</p> <p>Reason(s) for least favorite place - Isolation</p>
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so I think I kind of over thought some things, because you're in basic military training, but you can go like 80% and be fine, but I was trying to go like 110% and that doesn't always work in that environment either, like you can kind of coast and do better sometimes, it's kind of interesting when it's all peer to peer...

Interviewer: So was it your least favorite because of the training or because you weren't able to get out?

Interviewee: I think it was both...both had factors...you know one factor was that I was pretty tired but then I didn't have any natural ties to the area either so the weekends sometimes I was just in the barracks, so I didn't branch out...I did make some pretty good friends and I did go out, but I could have been more out there, more open, more free...

Interviewer: Okay...so you live in madison now?

Interviewee: Yes.

Interviewer: Which part?

Interviewee: Verona.

Interviewer: So you said you had some specific reasons for wanting to come here, do mind me asking what they are?

Interviewee: My family lives here actually.

Interviewer: Have they always lived here?

Interviewee: They have lived here since...when I went to UCLA, they came to Wisconsin...

Interviewer: Did they have a specific reason for coming here? I always wonder why people come to Wisconsin...

Interviewee: This is a good area, it's pretty cheap, relatively cheap cost of living, compared to California, which is where we were...and then my step dad has some natural ties to Wisconsin, some friends that are in the area so they kind of just got pulled over here...also they were homeschooling so there is a very strong homeschooling community...

Interviewer: I know you moved here for work, you've only been here for...

Interviewee: I've only lived here since June.

**Current location -
Verona, WI**

<p>Interviewer: Do you have any favorite cultural features of the area?</p> <p>Interviewee: I really like Madison, this college environment...it really reminds of UCLA and that environment...</p> <p>Interviewer: Minus the snow...</p> <p>Interviewee: Right, minus the snow, but I really don't mind the snow too much...it's fine to have that separate pace...I'm doing my MBA here, and I'm pretty invested in my work here...so for what you described as cultural I think the college campus culture is what I'm attracted to...</p> <p>Interviewer: Okay...how about for physical features?</p> <p>Interviewee: So I live in a forest essentially, a forested area...which is nice, it comes with opportunities for yard work, you can grill on the deck which is really nice, it's pretty slow on the weekends, you can know you can have a beer or two and relax...I just actually had a conversation with a buddy that lives in San Francisco and I was telling him how chill I'm being in this phase of my life and he's just like 'man where I live in SF, I work like two blocks away so I'm basically always working and once I'm done with work we start drinking and my friends just pull me here and there'...it's just so fast paced and you get pulled into it and he was telling that his buddies are like 'why aren't you going out with us' and getting all offended about it and it's kind of hard to slow down...where as here there aren't a lot of issues with slowing down if you want to...</p> <p>Interviewer: Do you have a favorite memory from here yet?</p> <p>Interviewee: I really like it when Steph comes out here, my girlfriend, it's really nice and we're making memories in that sense...</p> <p>Interviewer: Does she like it here?</p> <p>Interviewee: It's just really cold, but that's it...</p> <p>Interviewer: How do you think the sense of community is here?</p> <p>Interviewee: I know my mom is pretty involved in the community, my little sister does violin so she has a whole violin community that she interacts with and she goes to dog training so there's the dog community...there's walks around the neighborhood, everyone in my community knows my dog...</p> <p>Interviewer: I didn't know you had a dog...</p> <p>Interviewee: It's her dog, but I get benefits from the dog...</p>	<p>Favorite cultural feature(s) of current location - College environment</p> <p>Favorite physical feature(s) of current location - Forested area</p> <p>Sense of community in current location - Strong violin community, strong dog</p>
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<p>Interviewee: 42.</p> <p>Interviewer: And you have no military affiliation?</p> <p>Interviewee: No.</p> <p>Interviewer: How many places have you lived since turning 18?</p> <p>Interviewee: Nine states.</p> <p>Interviewer: Which place your favorite?</p> <p>Interviewee: Mackinac Island, Michigan.</p> <p>Interviewer: Why was that one your favorite?</p> <p>Interviewee: It was an island, no one I knew would visit me, so I could just be there...</p> <p>Interviewer: What was your favorite cultural feature?</p> <p>Interviewee: No cars on the island, only horses and bikes...and in the winter it really turned into a winter paradise...you could only get on and off the island if you had a snowmobile...so it was even more secluded, like everything kind of shut down, but still no cars...</p> <p>Interviewer: What was your favorite physical feature?</p> <p>Interviewee: They had lighthouses all over...and then the Grand Hotel was really neat...it would rain every morning, so if you ride your bike, which you had to, you would have skunk trail, they called it, because all the horses would poop on the ground and then if you rode through it, which you had to, it would spit up horse poop on your back if you didn't have fenders...</p> <p>Interviewer: Nice, that's an interesting fun fact...What was your favorite memory of the area?</p> <p>Interviewee: Every morning I would bike around the whole island...</p> <p>Interviewer: How big is the island?</p> <p>Interviewee: I think it's like two miles...like all the way around, I think it might be like ten...I don't know I always screw it up...</p> <p>Interviewer: Do you have any other favorite memories?</p> <p>Interviewee: They had a school on the island, which was pretty neat, the entire school probably had like 50 kids, but they all knew each other...</p>	<p>Affiliation - Not affiliated with the military</p> <p># of moves - 9</p> <p>Favorite Place - Mackinac Island, MI</p> <p>Reason(s) for favorite place - Island, secludedness</p> <p>Favorite cultural feature(s) of favorite place - No cars</p> <p>Favorite physical feature(s) of favorite place - Lighthouses, Grand Hotel, morning rain</p>
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<p>Interviewer: Did they still break them up by grades?</p> <p>Interviewee: They did but in groups...I wasn't that familiar with the schools there, but it was neat, it just became a whole community...you definitely knew who the islanders were, who the tourists were, and who the help were, which is why I was there...but when all the tourists were gone, during the fall and winter, there was this head nod comradery, like we were sticking it out together through the winter...and I thought it was really neat that the library still had old fashioned hand written cards for when you check out books...</p> <p>Interviewer: I remember those from grade school...</p> <p>Interviewee: Yeah, and that was for the whole community...they just knew who you were...</p> <p>Interviewer: Which was your least favorite place?</p> <p>Interviewee: I did not like Chicago...</p> <p>Interviewer: Why not?</p> <p>Interviewee: Being from Madison it was too close to my hometown...I didn't like people saying 'I'm gonna come to Chicago' and then they just didn't want to pay the hotel prices...I also thought it was too big, I didn't find that it...like in comparison to New York, New York has boroughs and there are some people that never leave their borough the whole time they live in New York City, which can kind of limit options, but in Chicago there is just too much, you couldn't just get everything in one area, you had to traipse across the whole city just to get it...and then I thought it was dirty, like disgustingly dirty...</p> <p>Interviewer: I know what you mean...so you live in Madison now, where about in Madison?</p> <p>Interviewee: East Side.</p> <p>Interviewer: I live on the East Side, the Far East...</p> <p>Interviewee: Very important to differentiate...</p> <p>Interviewer: Why did you move back here?</p> <p>Interviewee: I grew up in Madison, I went away to college...and aside from living in those places I had a job where I traveled 100%, so I've spent months at a time in some places, but haven't really lived...so for me once I realized that every city has Target and a</p>	<p>Least favorite place - Chicago, IL</p> <p>Reason(s) for least favorite place - Easy access for people, too big requiring people to drive to things, dirty</p> <p>Current Location - Madison, WI</p>
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Walmart and a Walgreens, once you've seen the tourist attractions, it kind of just like what's the point...like Madison had my family, and I was finally wanting to be around them again, and it's comfortable, I know it...I never get stuck on the beltline anymore because I know all the backroads...

Interviewer: Do you have a favorite cultural feature from this area?

Interviewee: The Overture, I go to a lot of events there, Barrymore, I like plays and concerts...I'm loving the Sylvee, Breeze Stadium... I would love the Memorial Union more if they had better parking...I like live music venues...

Interviewer: What about physical features?

Interviewee: I like the lakes...I like canoeing and kayaking...they have, probably in the last five years, they have really started to do a lot more to make them accessible to people...I don't own a boat and I don't have a spot for a kayak, but in the last few years there are a lot more different areas that you can rent them...

Interviewer: And they aren't very expensive either...

Interviewee: No they're not.

Interviewer: What is the sense of community like here?

Interviewee: I've always said this, I went to school at La Crosse, and so right when you would meet people they would say 'where are you from' and you'd say Madison and the first question out of anyone that was raised here is 'what side', there's a huge difference between the people from the East Side and the people from the West Side, and even worse are the people would say 'I'm from Sun Prairie', no you're not...it's so funny because it's so visceral, I want to claim that I'm from the East Side...

Interviewer: So amongst the sides would you say there is a lot of pride or sense of community from the side that you're from and not necessarily Madison itself?

Interviewee: Definitely, if you're from here, born and raised, you wouldn't ever say you're just from Madison, you would say which side...its our own snootiness...you know it tend to be poorer, working class, you know we all know someone that worked at Oscar Meyer...

Interviewer: Which isn't there anymore...

Interviewee: Exactly.

Favorite cultural feature(s) of current location - Overture, Barrymore, Sylvee, Breeze Stadium, plays, concerts, live music

Favorite physical feature(s) of current location - Lakes

Sense of community in current location - Strong for West Side/East Side

<p>Interviewer: Do you have anything else you want to add?</p> <p>Interviewee: I don't really know in relation to your paper, but this is kind of a fun story...when I was, so freshman year of college I was 18, so the summer between freshman and sophomore year I didn't want to go home, but I really didn't, I was young, and back then again they didn't really have internet, so we had newspapers and airlines would take out full page ads of here's where the flights are going and how much...they would run these like \$95 one way specials, and so I remember closing my eyes and just hovering above the newspaper and my finger landed on Washington D.C., direct flight, so I bought a one way ticket and three days later hopped on a plane and had nothing, and I didn't know anyone...I never knew anyone in these places...but I ended up, so they had a newspaper similar to the Isthmus and here I am I landed at like one o'clock in the afternoon and I have nowhere to live or no one to talk to...and there was this really famous band, they're still famous in some circles, but they were named Fugazi and I ended up living with them in what, apparently, I found out later, was a really famous house, it was called the Dischord House...</p> <p>Interviewer: That's a really interesting story...</p> <p>Interviewee: Yeah and that was just...so the attachments with people...I didn't even realize, like they were famous...</p> <p>Interviewer: But it wasn't that they were famous...</p> <p>Interviewee: No! Because he was the plumber...he was just a plumber to me...and there was this night, we got this like VIP treatment at a music place, and I didn't realize at the time but Keanu Reeves bought me a drink, and wanted to meet me, but he was in this nasty band called Dogstar and so he didn't look like Keanu Reeves...and we all know Keanu Reeves now, but back then maybe had one movie or two movies...so it was neat, like looking back I'm like 'oh my life could have been very different if I had just made different choices...'...</p>	<p>more attachments to people</p>
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Interviewee: Golf

Interviewer: Cassandra McAnallen

Date of Interview: 07 Nov 2019

<p>Interviewer: We will start with some demographic questions...How old are you?</p> <p>Interviewee: 28.</p>	
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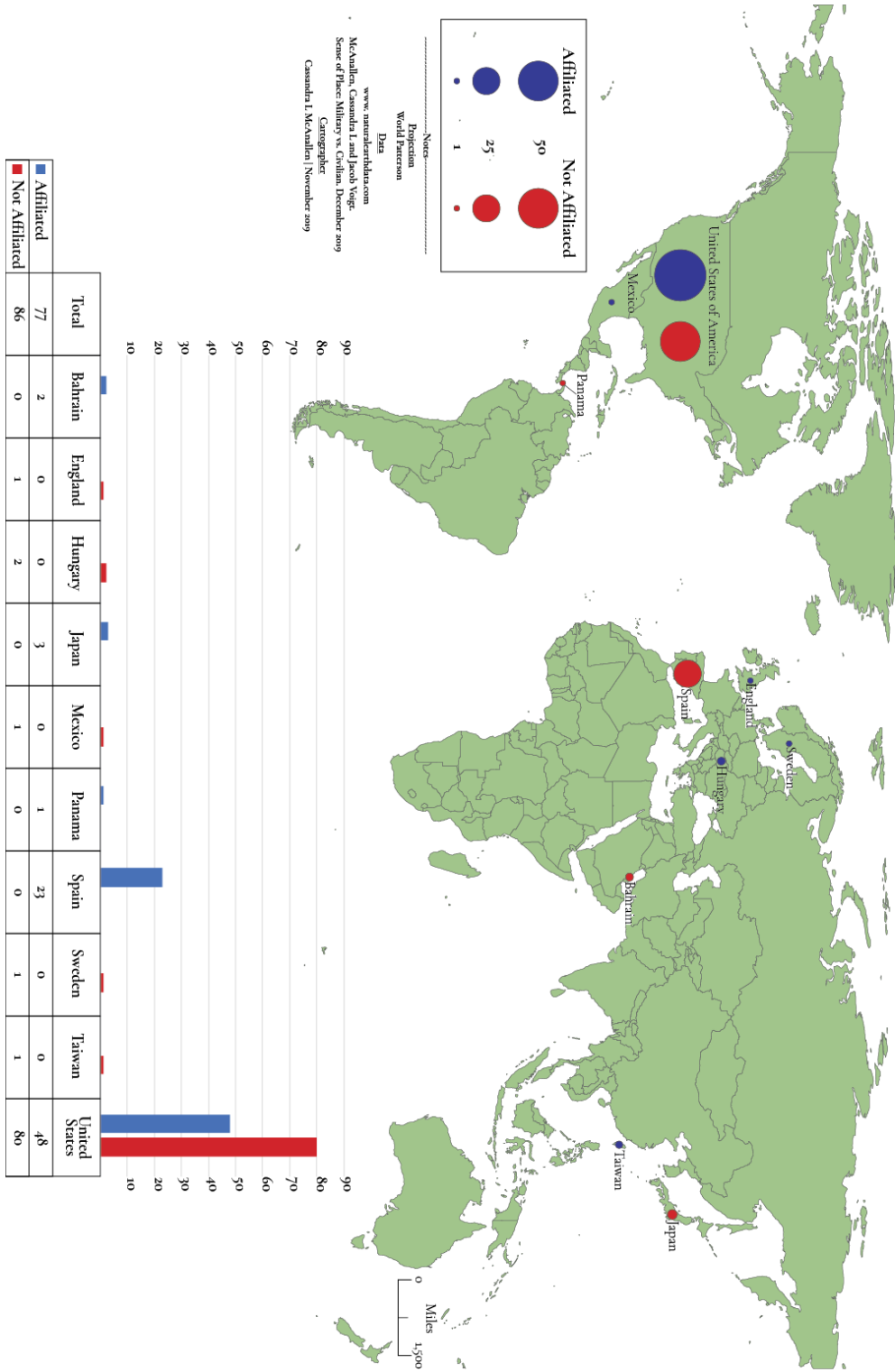
<p>Interviewer: How long have you been in the military?</p> <p>Interviewee: Almost eight years, we'll just say seven...</p> <p>Interviewer: And you're an E-6 in the Navy...how many places have you lived since turning 18?</p> <p>Interviewee: Texas, South Carolina, Rhode Island if you want to count that, and here...</p> <p>Interviewer: So five...which one was your favorite?</p> <p>Interviewee: Probably New York...</p> <p>Interviewer: Where in New York?</p> <p>Interviewee: Up state near Albany, so Saratoga Springs.</p> <p>Interviewer: What years were you there for?</p> <p>Interviewee: 2013 till 2017.</p> <p>Interviewer: Why was that one your favorite?</p> <p>Interviewee: Food and all the places around...we were in the Adirondack Mountains...so nice scenery...me being from Texas I had never really seen the seasonal changes, and the leaves change, because its always hot or very hot in Texas...and apple cider donuts, all the fall things they do, and it was horse racing town so it was lively, all the breweries were nice and lots of good food...</p> <p>Interviewer: So you kind of throw some out there already, but I'll still ask the question, what was your favorite cultural feature?</p> <p>Interviewee: Howe caverns were really cool...it's caverns, but there's also an underground river so you can get in a canoe and boat around, that was a lot of fun...the Grant Cottage, the last place President Grant lived before he died, that was really cool...it's a place up in the mountains, there's a lot of history there, like the rest of the area around Saratoga...and horse racing, that's fun too...</p> <p>Interviewer: What was your favorite physical features?</p> <p>Interviewee: Mountains, I was from east Texas before, so lots of pine trees and lots of flat...</p>	<p>Affiliation - Affiliated with the military</p> <p># of moves - 5</p> <p>Favorite place - Saratoga Springs, NY</p> <p>Reason(s) for favorite place - Cultural features (food, apple cider donuts, horse races, breweries), physical features (scenery, seasonal changes)</p> <p>Favorite cultural feature(s) - Howe Caverns, Grant Cottage, horse racing</p> <p>Favorite physical feature(s) - Mountains</p>
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<p>Interviewer: What's your favorite memory from Saratoga</p> <p>Interviewee: I don't know</p> <p>Interviewer: That's fine, you don't have to have one...what place has been your least favorite?</p> <p>Interviewee: Probably here...</p> <p>Interviewer: Why?</p> <p>Interviewee: Comparatively, New York, as soon as snow touches the ground there is like 100 plows out and they salt and the roads are very well taken care of...that's not the case here..and there's not as many things to do here compared to New York or South Carolina, South Carolina it's warm and there's a lot of places to go and things to do...so this place isn't horrible, it's just not my favorite...</p> <p>Interviewer: You live in Madison now, on the East Side because of work...do you have a favorite cultural feature?</p> <p>Interviewee: We went to a pumpkin patch out near Milwaukee, that was cool...</p> <p>Interviewer: What's your favorite physical feature of the area, if you have one?</p> <p>Interviewee: Living like a mile within every restaurant or store that I care to be near...</p> <p>Interviewer: Do you have a favorite memory of this place?</p> <p>Interviewee: No.</p> <p>Interviewer: What do you think the sense of community is like here?</p> <p>Interviewee: I'm kind of distant from people, but I know for Olivia, for the schools everyone is very accepting...as far as I can tell all of the kids play well together, which wasn't always the case when I was growing up...</p> <p>Interviewer: How do you think the sense of community was in Saratoga?</p> <p>Interviewee: About the same.</p>	<p>Least favorite place - Madison, WI</p> <p>Reason(s) for least favorite place - Road care, not as much to do compared to other locations</p> <p>Current location - Madison, WI</p> <p>Favorite cultural feature(s) of current location - Pumpkin patch in Milwaukee</p> <p>Favorite Physical feature(s) of current location - Proximity to restaurants and stores</p> <p>Sense of community in current location - Good for children</p> <p>Sense of community in favorite location - Good for children</p>
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<p>Interviewer: Do you think moving five times has changed how you form attachments to people or places?</p> <p>Interviewee: I don't think it's gotten any easier or harder...it's pretty much stayed the same, where it still sucks to say goodbye to people you like...</p>	<p>Perceived effect of moving on place/people attachment - None</p>
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Favorite Country by Military Affiliation

Appendix E – Proportion Symbol Map



Appendix F - Calculations

Section 1 - Outlier Calculations

Outlier Equations: $Q1 - 1.5 * IQR = \text{Lower Limit}$, $Q3 - 1.5 * IQR = \text{Upper Limit}$

Affiliated Number of Moves

$$Q1 = 4.5, Q3 = 9, IQR = 4.5$$

$$\text{Lower Limit} \rightarrow 4.5 - 1.5 * 4.5 = -2.25 \text{ (No Outliers)}$$

$$\text{Upper Limit} \rightarrow 9 + 1.5 * 4.5 = 15.75 \text{ (Outliers: 18, 26)}$$

Not Affiliated Number of Moves

$$Q1 = 1, Q3 = 4.5, IQR = 3.5$$

$$\text{Lower Limit} \rightarrow 1 - 1.5 * 3.5 = -4.5 \text{ (No Outliers)}$$

$$\text{Upper Limit} \rightarrow 4.5 + 1.5 * 3.5 = 9.75 \text{ (Outliers: 10, 11)}$$

Section 2 - Spearman Rank Correlation for Number of Moves and Age

Affiliated Data for Spearman Rank Correlation for Number of Moves and Age

Times Moved	Times Moved Rank	Age	Age Rank
1	1	22	1
2	2	22	1
2	2	28	5
3	3	29	6
3	3	23	2
3	3	28	5
4	4	39	15
4	4	22	1
4	4	27	4
4	4	22	1
4	4	27	4
4	4	33	10
4	4	24	3
5	5	27	4
5	5	28	5
5	5	29	6
5	5	30	7
5	5	36	13
5	5	34	11
5	5	33	10
5	5	28	5
6	6	27	4
6	6	30	7
6	6	29	6
6	6	30	7
7	7	34	11
7	7	32	9
7	7	35	12
7	7	27	4
7	7	31	8
8	8	31	8
8	8	31	8
8	8	43	18
8	8	36	13
8	8	32	9
8	8	43	18
8	8	32	9
9	9	43	18
9	9	50	21
9	9	38	14
10	10	34	11
10	10	35	12
10	10	48	20
10	10	30	7
10	10	40	16
10	10	32	9
11	11	36	13
12	12	45	19
14	13	42	17
15	14	38	14
18	15	33	10
26	16	62	22

Not Affiliated Data for Spearman Rank Correlation for Number of Moves and Age

Times Moved	Times Moved Rank	Age	Age Rank
0	1	35	16
0	1	20	2
0	1	38	17
0	1	22	4
0	1	21	3
0	1	25	7
0	1	43	21
1	2	20	2
1	2	22	4
1	2	21	3
1	2	21	3
1	2	22	4
1	2	22	4
1	2	21	3
1	2	22	4
1	2	26	8
1	2	29	11
1	2	38	17
1	2	19	1
1	2	22	4
1	2	21	3
1	2	20	2
1	2	21	3
1	2	21	3
1	2	27	9
1	2	19	1
1	2	32	14
2	3	21	3
2	3	30	12
2	3	28	10
2	3	30	12
2	3	48	24
2	3	62	27
2	3	23	5
2	3	27	9
2	3	21	3
2	3	29	11
2	3	21	3
2	3	24	6
2	3	27	9
2	3	22	4
2	3	28	10
2	3	25	7
3	4	27	9
3	4	32	14
3	4	33	15
3	4	27	9
3	4	43	21
3	4	25	7
3	4	25	7
3	4	41	19
3	4	32	14

4	5	25	7
4	5	32	14
4	5	32	14
4	5	38	17
4	5	24	6
4	5	25	7
5	6	30	12
5	6	26	8
5	6	25	7
5	6	41	19
5	6	59	26
5	6	33	15
5	6	25	7
6	7	48	24
6	7	45	22
6	7	46	23
6	7	23	5
6	7	31	13
6	7	39	18
7	8	56	25
7	8	62	27
8	9	35	16
9	10	29	11
10	11	43	21
11	12	42	20

Spearman Rank Correlation for Number of Moves and Age Results

	Variable X	VariablRe Y	X Ranks	Y Ranks	Combine d	P Value (Two Tailed)
Affiliated	# of Moves	Age	Mean: 26.5 SD: 15.7	Mean: 26.5 SD: 15.13	Covariance: 167.45 R_s: .73469	0
Not Affiliated	# of Moves	Age	Mean: 39 SD: 22.03	Mean: 39 SD: 22.32	Covariance: 269.5 R_s: .54818	0

Spearman Rank Correlation for Number of Moves and Age Calculations

$$R_s = \text{CoVariance} / (X_{Ra} \text{ SD} * Y_{Ra} \text{ SD})$$

X_{Ra} = Ranks of X Values

Y_{Ra} = Ranks of Y Values

SD = Standard Deviation

Section 3 - Spearman Rank Correlation of Close Relationships, Number of Moves and Age

Affiliated Data for Spearman Rank Correlation of Close Relationships and # of Moves

Close Relationships	Close Relationships Rank	Times Moved	Times Moved Rank
1	1	1	1
1	1	5	5
1	1	7	7
1	1	8	8
1	1	26	16
2	2	2	2
2	2	5	5
2	2	8	8
2	2	10	10
2	2	14	13
3	3	5	5
3	3	5	5
3	3	5	5
3	3	8	8
3	3	9	9
3	3	10	10
3	3	10	10
4	4	2	2
4	4	3	3
4	4	4	4
4	4	6	6
5	5	3	3
5	5	4	4
5	5	4	4
5	5	5	5
5	5	6	6
5	5	7	7
5	5	8	8
6	6	4	4
6	6	4	4
6	6	6	6
6	6	9	9
7	7	4	4
7	7	9	9
7	7	10	10
8	8	7	7
9	9	11	11
10	10	3	3
10	10	4	4
10	10	5	5
10	10	6	6
10	10	7	7
10	10	8	8
10	10	8	8
10	10	10	10
10	10	12	12
10	10	18	15
12	11	8	8
15	12	5	5
20	13	7	7
22	14	15	14
30	15	10	10

Affiliated Data for Spearman Rank Correlation of Close Relationships and Age

Close Relationships	Close Relationships Rank	Age	Age Rank
1	1	22	1
1	1	27	4
1	1	34	11
1	1	31	8
1	1	62	22
2	2	22	1
2	2	28	5
2	2	31	8
2	2	34	11
2	2	42	17
3	3	29	6
3	3	30	7
3	3	36	13
3	3	43	18
3	3	43	18
3	3	35	12
3	3	48	20
4	4	28	5
4	4	29	6
4	4	39	15
4	4	27	4
5	5	23	2
5	5	22	1
5	5	27	4
5	5	34	11
5	5	30	7
5	5	32	9
5	5	36	13
6	6	22	1
6	6	27	4
6	6	29	6
6	6	50	21
7	7	33	10
7	7	38	14
7	7	30	7
8	8	35	12
9	9	36	13
10	10	28	5
10	10	24	3
10	10	33	10
10	10	30	7
10	10	27	4
10	10	32	9
10	10	43	18
10	10	40	16
10	10	45	19
10	10	33	10
12	11	32	9
15	12	28	5
20	13	31	8
22	14	38	14
30	15	32	9

Not Affiliated Data for Spearman Rank Correlation of Close Relationships and Number of Moves

Close Relationships	Close Relationships Rank	Times Moved	Times Moved Rank
0	1	0	1
0	1	1	2
0	1	1	2
0	1	6	7
0	1	10	11
1	2	0	1
1	2	2	3
1	2	2	3
1	2	3	4
1	2	3	4
1	2	5	6
2	3	0	1
2	3	1	2
2	3	1	2
2	3	1	2
2	3	2	3
2	3	2	3
2	3	2	3
2	3	2	3
2	3	3	4
2	3	4	5
2	3	4	5
2	3	4	5
2	3	4	5
2	3	6	7
2	3	7	8
3	4	0	1
3	4	1	2
3	4	1	2
3	4	1	2
3	4	1	2
3	4	1	2
3	4	2	3
3	4	2	3
3	4	4	5
3	4	5	6
4	5	0	1
4	5	1	2
4	5	1	2
4	5	2	3
4	5	2	3
4	5	3	4
4	5	5	6
4	5	6	7
4	5	8	9
5	6	1	2
5	6	2	3
5	6	3	4
5	6	5	6
5	6	5	6
6	7	1	2
6	7	6	7
6	7	7	8
7	8	1	2
7	8	2	3
7	8	2	3

7	8	4	5
8	9	3	4
8	9	5	6
8	9	11	12
10	10	0	1
10	10	1	2
10	10	1	2
10	10	2	3
10	10	2	3
10	10	3	4
12	11	0	1
12	11	1	2
12	11	3	4
15	12	2	3
15	12	3	4
15	12	6	7
15	12	9	10
17	13	1	2
20	14	5	6
20	14	6	7

Not Affiliated Data for Spearman Rank Correlation of Close Relationships and Age

Close Relationships	Close Relationships Rank	Age	Age Rank
0	1	35	16
0	1	20	2
0	1	22	4
0	1	48	24
0	1	43	21
1	2	20	2
1	2	21	3
1	2	30	12
1	2	27	9
1	2	32	14
1	2	30	12
2	3	38	17
2	3	21	3
2	3	21	3
2	3	22	4
2	3	22	4
2	3	28	10
2	3	30	12
2	3	48	24
2	3	62	27
2	3	33	15
2	3	25	7
2	3	32	14
2	3	32	14
2	3	38	17
2	3	45	22
2	3	56	25
3	4	22	4
3	4	21	3
3	4	22	4
3	4	26	8
3	4	29	11
3	4	38	17
3	4	23	5

3	4	27	9
3	4	24	6
3	4	26	8
4	5	21	3
4	5	19	1
4	5	22	4
4	5	21	3
4	5	29	11
4	5	27	9
4	5	25	7
4	5	46	23
4	5	35	16
5	6	21	3
5	6	21	3
5	6	43	21
5	6	41	19
5	6	59	26
6	7	20	2
6	7	23	5
6	7	62	27
7	8	21	3
7	8	24	6
7	8	27	9
7	8	25	7
8	9	25	7
8	9	33	15
8	9	42	20
10	10	25	7
10	10	21	3
10	10	27	9
10	10	22	4
10	10	28	10
10	10	25	7
12	11	43	21
12	11	19	1
12	11	41	19
15	12	25	7
15	12	32	14
15	12	31	13
15	12	29	11
17	13	32	14
20	14	25	7
20	14	39	18

Spearman Rank Correlation of Close Relationships and Number of Moves Results

Affiliation	Variable X	Variable Y	X Ranks	Y Ranks	Combined	P Value (Two Tailed)
Affiliated	# of Close Relationships	# of Moves	Mean: 26.5 SD: 15.04	Mean: 26.5 SD: 15.07	Covariance: 32.41 R_s: .143	.31189
Affiliated	# of Close Relationships	Age	Mean: 26.5 SD: 15.04	Mean: 26.5 SD: 15.13	Covariance: 6.9 R_s: .03031	.83111
Not Affiliated	# of Close Relationships	# of Moves	Mean: 26.5 SD: 15.04	Mean: 38 SD: 21.47	Covariance: 43.62 R_s: .09392	.42283
Not Affiliated	# of Close Relationships	Age	Mean: 26.5 SD: 15.04	Mean: 38 SD: 21.74	Covariance: 18.27 R_s: .03885	.7407

Spearman Rank Correlation of Close Relationships and Number of Moves Calculations

$$R_s = \text{CoVariance} / (X_{Ra} \text{ SD} * Y_{Ra} \text{ SD})$$

X_{Ra} = Ranks of X Values

Y_{Ra} = Ranks of Y Values

SD = Standard Deviation

Section 4 - Kruskal-Wallis Test for Personal Relationships

Affiliated Data for Kruskal-Wallis Test (Personal Relationships)

Chi Square Critical Values

Degrees of Freedom (df)	P=.05
1	3.84
2	5.99
3	7.82

Female Affiliated vs Female Not Affiliated Table

	Female Affiliated	Female Affiliated Ranking	Female Not Affiliated	Female Not Affiliated Ranking
Not Important	0	1.5	0	1.5
Slightly Important	1	3.5	1	3.5
Moderately Important	2	5	7	6
Important	10	7	13	8
Very Important	21	9	35	10

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.109 * 303.4 - 33$$

$$H = 0.0982$$

The p -value is .75402. The result is *not* significant at $p < .05$.

Male Affiliated vs Male Not Affiliated Table

	Male Affiliated	Male Affiliated Ranking	Male Not Affiliated	Male Not Affiliated Ranking
Not Important	4	4	2	2.5
Slightly Important	2	2.5	1	1
Moderately Important	7	6	5	5
Important	18	9	12	7
Very Important	30	10	15	8

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.109 * 308.9 - 33$$

$$H = 0.6982$$

The *p*-value is .4034. The result is *not* significant at *p* < .05

Affiliated vs Not Affiliated

	Affiliated	Affiliated Ranking	Not Affiliated	Not Affiliated Ranking
Not Important	8	4	2	1.5
Slightly Important	5	3	2	1.5
Moderately Important	15	6	13	5
Important	39	8	25	7
Very Important	71	10	63	9

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.109 * 307.4 - 33$$

$$H = 0.5345$$

The *p*-value is .4647. The result is *not* significant at $p < .05$.

Section 5 - Kruskal-Wallis Test for Physical Characteristics

Affiliated Data for Kruskal-Wallis Test (Physical Characteristics)

Chi Square Critical Values

Degrees of Freedom (df)	P=.05
1	3.84
2	5.99
3	7.82

Female Affiliated vs Female Not Affiliated

	Female Affiliated Count	Female Affiliated Ranking	Female Not Affiliated	Female Not Affiliated Ranking
Not Important	0	1	1	2
Slightly Important	3	3	5	4.5
Moderately Important	13	8	11	6.5
Important	11	6.5	27	10
Very Important	5	4.5	20	9

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.109 * 310.6 - 33$$

$$H = 0.8836$$

The *p*-value is .34721. The result is *not* significant at $p < .05$.

Male Affiliated vs Male Not Affiliated

	Male Affiliated Count	Male Affiliated Ranking	Male Not Affiliated	Male Not Affiliated Ranking
Not Important	0	1	1	2
Slightly Important	3	3	5	4.5
Moderately Important	13	8	11	6.5
Important	11	6.5	27	10
Very Important	5	4.5	20	9

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.109 * 314.6 - 33$$

$$H = 1.32$$

The *p*-value is .25059. The result is *not* significant at *p* < .05.

Affiliated vs Not Affiliated

	Affiliated Count	Affiliated Ranking	Not Affiliated	Not Affiliated Ranking
Not Important	1	1	8	3
Slightly Important	20	5	7	2
Moderately Important	36	8	19	4
Important	46	10	38	9
Very Important	35	7	32	6

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.109 * 307.4 - 33$$

$$H = 0.5345$$

The *p*-value is .4647. The result is *not* significant at *p* < .05.

Section 6 - Kruskal-Wallis Test for Cultural Characteristics

Affiliated Data for Kruskal-Wallis Test (Cultural Characteristics)

Chi Square Critical Values

Degrees of Freedom (df)	P=.05
1	3.84
2	5.99
3	7.82

Female Affiliated vs Female Not Affiliated

	Female Affiliated Count	Female Affiliated Ranking	Female Not Affiliated	Female Not Affiliated Ranking
Not Important	4	2.5	2	1
Slightly Important	4	2.5	7	5
Moderately Important	9	6	14	8
Important	10	7	23	10
Very Important	5	4	19	9

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.109 * 314.6 - 33$$

$$H = 1.32$$

The *p*-value is .25059. The result is *not* significant at *p* < .05.

Male Affiliated vs Male Not Affiliated

	Male Affiliated Count	Male Affiliated Ranking	Male Not Affiliated	Male Not Affiliated Ranking
Not Important	6	2	3	1
Slightly Important	14	8	7	3
Moderately Important	15	9.5	10	4.5
Important	15	9.5	10	4.5
Very Important	11	6.5	11	6.5

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.109 * 328.1 - 33$$

$$H = 2.7927$$

The *p*-value is .09469. The result is *not* significant at *p* < .05.

Affiliated vs Not Affiliated

	Affiliated Count	Affiliated Ranking	Not Affiliated	Not Affiliated Ranking
Not Important	17	3	6	1
Slightly Important	25	6	16	2
Moderately Important	37	10	24	4
Important	34	8.5	34	8.5
Very Important	25	6	25	6

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.109 * 316.9 - 33$$

$$H = 1.5709$$

The *p*-value is .21008. The result is *not* significant at *p* < .05.

Personal Relationships vs Physical vs Cultural in Female Affiliated

	Female Personal Relationships Affiliated Count	Female Personal Relationships Affiliated Ranking	Female Physical Affiliated Count	Female Physical Affiliated Ranking	Female Cultural Affiliated Count	Female Cultural Affiliated Ranking
Not Important	0	1.5	0	1.5	4	6.5
Slightly Important	1	3	3	5	4	6.5
Moderately Important	2	4	13	14	9	10
Important	10	11.5	11	13	10	11.5
Very Important	21	15	5	8.5	5	8.5

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.05 * 967.6 - 48$$

$$H = 0.38$$

The *p*-value is .82696. The result is *not* significant at *p* < .05.

Personal Relationships vs Physical vs Cultural in Female Not Affiliated

	Female Personal Relationships Not Affiliated Count	Female Personal Relationships Not Affiliated Ranking	Female Physical Not Affiliated Count	Female Physical Not Affiliated Ranking	Female Cultural Not Affiliated	Female Cultural Not Affiliated Ranking
Not Important	0	1	1	2.5	2	4
Slightly Important	1	2.5	5	5	7	6.5
Moderately Important	7	6.5	11	8	14	10
Important	13	9	27	14	23	13
Very Important	35	15	20	12	19	11

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.05 * 971.7 - 48$$

$$H = 0.585$$

The *p*-value is .7464. The result is *not* significant at *p* < .05.

Personal Relationships vs Physical vs Cultural in Male Affiliated

	Male Personal Relationships Affiliated Count	Male Personal Relationships Affiliated Ranking	Male Physical Affiliated Count	Male Physical Affiliated Ranking	Male Cultural Affiliated Count	Male Cultural Affiliated Ranking
Not Important	4	3	0	1	6	4
Slightly Important	2	2	9	6	14	9
Moderately Important	7	5	11	7.5	15	10.5
Important	18	12	21	14	15	10.5
Very Important	30	15	20	13	11	7.5

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.05 * 962.7 - 48$$

$$H = 0.135$$

The p -value is .93473. The result is *not* significant at $p < .05$.

Personal Relationships vs Physical vs Cultural in Male Not Affiliated

	Male Personal Relationships Not Affiliated Count	Male Personal Relationships Not Affiliated Ranking	Male Physical Not Affiliated Count	Male Physical Not Affiliated Ranking	Male Cultural Not Affiliated Count	Male Cultural Not Affiliated Ranking
Not Important	2	2.5	6	6	3	4
Slightly Important	1	1	2	2.5	7	7.5
Moderately Important	5	5	7	7.5	10	10.5
Important	12	14	9	9	10	10.5
Very Important	15	15	11	12.5	11	12.5

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.05 * 967.5 - 48$$

$$H = 0.375$$

The p -value is .82903. The result is *not* significant at $p < .05$.

Personal Relationships vs Physical vs Cultural in Affiliated

	Personal Relationships Affiliated Count	Personal Relationships Affiliated Ranking	Physical Affiliated Count	Physical Affiliated Ranking	Cultural Affiliated Count	Cultural Affiliated Ranking
Not Important	8	3	1	1	17	5
Slightly Important	5	2	20	6	25	7.5
Moderately Important	15	4	36	11	37	12
Important	39	13	46	14	34	9
Very Important	71	15	35	10	25	7.5

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.05 * 962.8 - 48$$

$$H = 0.14$$

The *p*-value is .93239. The result is *not* significant at *p* < .05.

Personal Relationships vs Physical vs Cultural in Not Affiliated

	Personal Relationships Not Affiliated Count	Personal Relationships Not Affiliated Ranking	Physical Not Affiliated Count	Physical Not Affiliated Ranking	Cultural Not Affiliated	Cultural Not Affiliated Ranking
Not Important	2	2.5	1	1	6	5
Slightly Important	2	2.5	5	4	16	8
Moderately Important	13	7	11	6	24	10
Important	25	11.5	27	13	34	14
Very Important	63	15	20	9	25	11.5

Calculation Summary

$$H = (12/(N(N+1))) * (\sum T^2/n) - 3(N+1)$$

$$H = 0.05 * 984.7 - 48$$

$$H = 1.235$$

The p -value is .53929. The result is *not* significant at $p < .05$.