

# Perceptions that Drive Cloud-Based Application Adoption

## Decisions by Students and Faculty

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### Definition of Cloud Computing

Cloud computing is a system of interconnected computers networked together that gather information and then present it as one unit by means of centralized data storage (Dwivedi, 2010).

### Introduction

With the new popularity of social media sites, instant sharing has become more desirable in all aspects of our lives. It is no surprise that businesses have begun to utilize cloud computing in order to make everyday operations run smoother, faster and more cost effectively over a larger range of people.

Since many business have switched to technology based approaches, it is becoming increasingly important for students to understand technologies such as cloud computing in order to become more appealing for their future employers.

### Methods

We paired previous research with a survey that asked our research participants, which consisted of UW-Eau Claire students and faculty, questions about specific learning and teaching methods, current use of technology, the knowledge they currently have of the cloud computing, and the tolerance of the risks involved with cloud computing.

### Objective

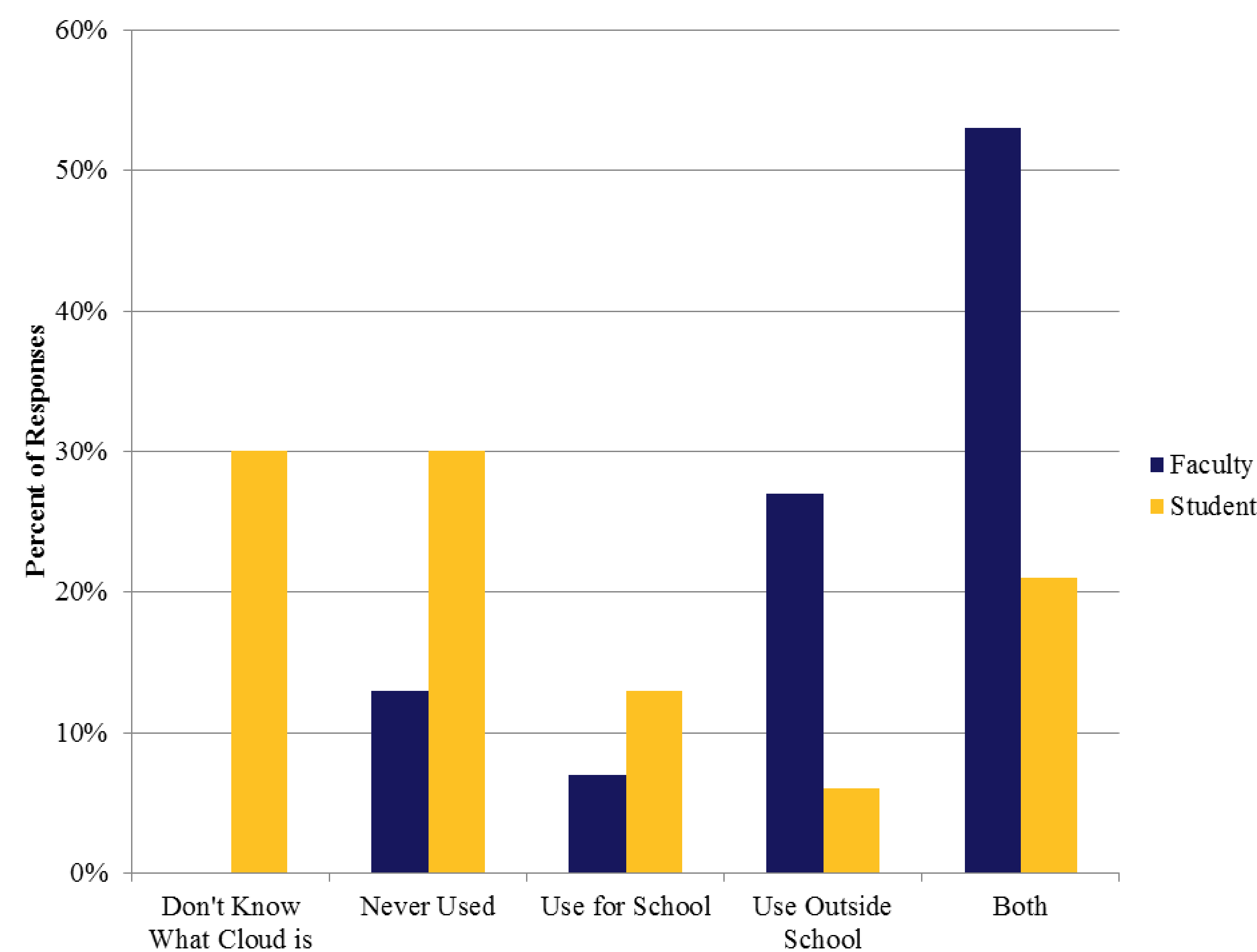
This study was conducted to discover which factors make cloud computing a desirable product to students and faculty both inside and outside of the classroom.

### Results

Positive Weak Correlation but Low Statistical Significance with the Use of Cloud Computing	No Correlation to Use of Cloud Computing or Intent to Use Cloud Computing
<ul style="list-style-type: none"> <li>Prefer online collaboration for group projects</li> <li>Prefer online assignments</li> <li>Keep up to date with the latest technologies</li> <li>Hours spent online daily</li> </ul>	<ul style="list-style-type: none"> <li>Year in school</li> <li>Type of computer</li> <li>Willingness to risk security for ease of use</li> <li>Willingness to pay for ease of use</li> </ul>

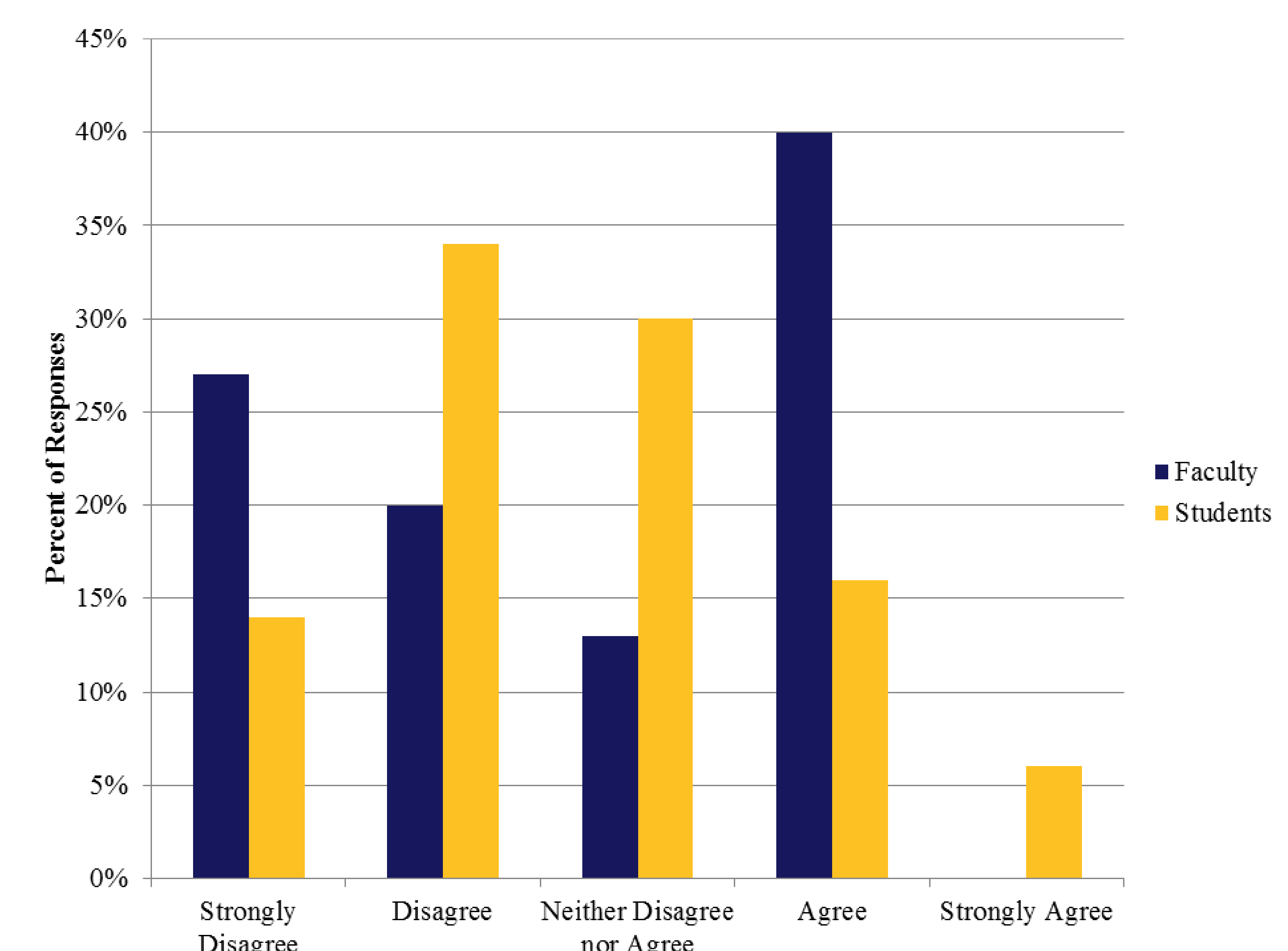
### Results Continued

#### General Use of Cloud Computing

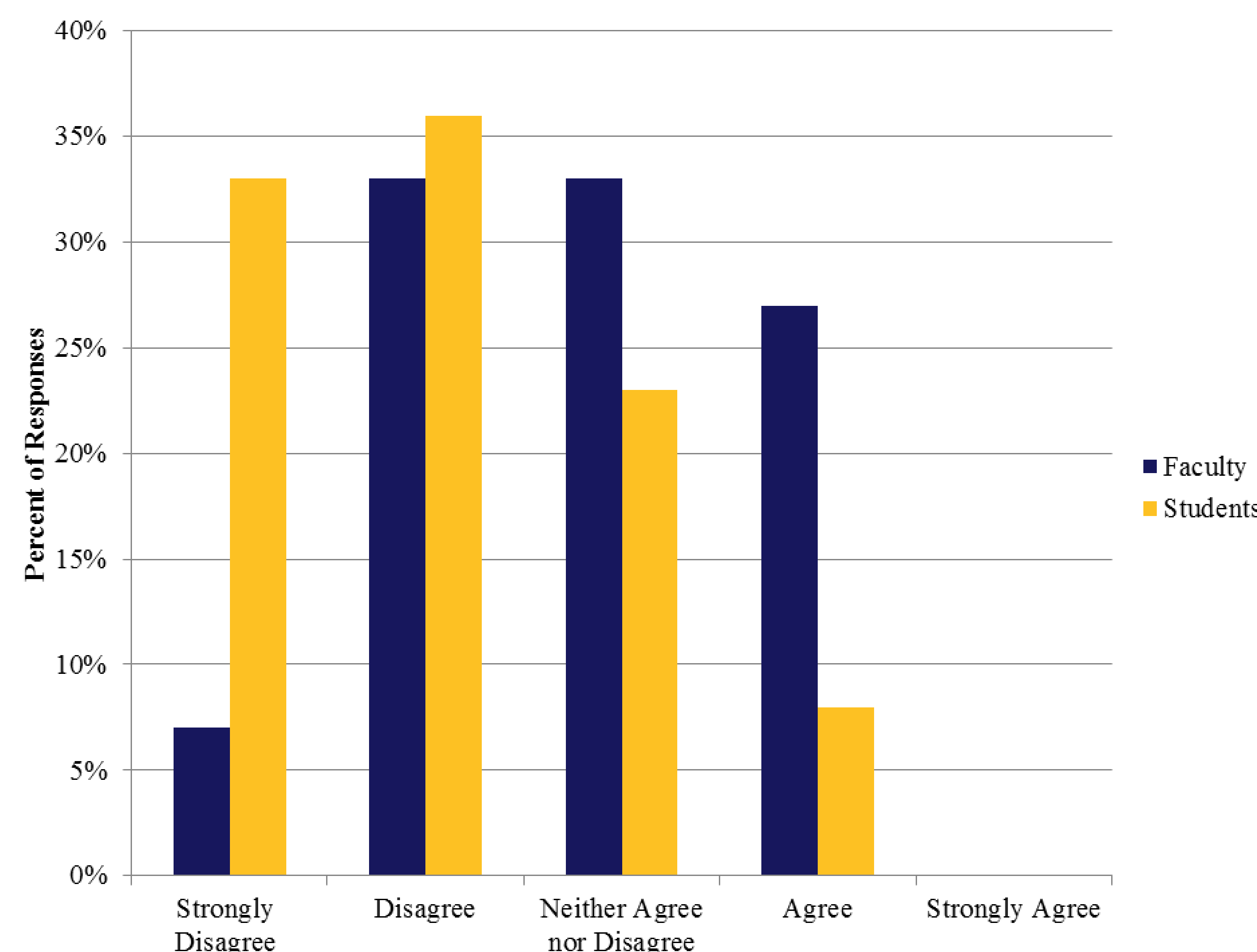


### Results Continued

#### Willingness to Risk Security for Ease of Use



#### Willingness to Pay for Ease of Use



### Conclusion

Based on our results, it is difficult to make a broad conclusion because our survey indicated little to no correlation between cloud computing users and the factors we predicted that would make someone more inclined to use cloud computing. However, the lack of correlation allows us to make a few predictions:

- People may not use the technical name of “cloud computing,” but instead use specific product names.
- Certain people may have more availability to learn about the new technology than others.
- People may not realize the significance of cloud computing in future careers.

Nevertheless, we were able to conclude that there may be more than one factor as to why people use cloud computing. Most of the characteristics we looked at in our survey were aimed at finding how technologically oriented our subjects were, when in reality, this may have nothing to do with the reasons people use cloud computing.