

The Perceived Relevance of Cloud Computing

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Introduction & Summary

Cloud computing is a broad word that refers to the delivery of services via the Internet. Cloud computing vendors are concerned about two key issues: security and privacy. In addition, cloud providers may access client data, and the trade-off between extensibility and security responsibility, virtualization, and varied approaches to security and privacy may pose integration issues.

It would appear that the most common utilization of Cloud computing services would exist in the workforce, whether to allow the ease in exchange of data or storing documents in a server. However, what we fail to realize is that in a technologized world, some of the most common applications that we use daily are Cloud centered.

The objective of this study is to view public perception on the relevance of cloud as well as identify some of its key features and weaknesses.

Methodology

The study was conducted using an anonymous survey through Google Forms consisting of 18 required questions split between free response, multiple check-box, multiple choice, and rating style questions. The survey was digital, and links were distributed through two main avenues: distribution through employees and teacher distribution.

The Perceived Relevance of Cloud Survey

Thank you for taking the time to complete this survey! It will take approximately 5-10 minutes to answer.

The data collected from this form will be used for a high-school research project analyzing the overall perceived usefulness and limitations of the Cloud as a form a storage for technology now and in the future.

The results of this endeavor can be used to raise awareness about the reliability and effectiveness of Cloud in the relevant spaces of education, software development, and personal use.

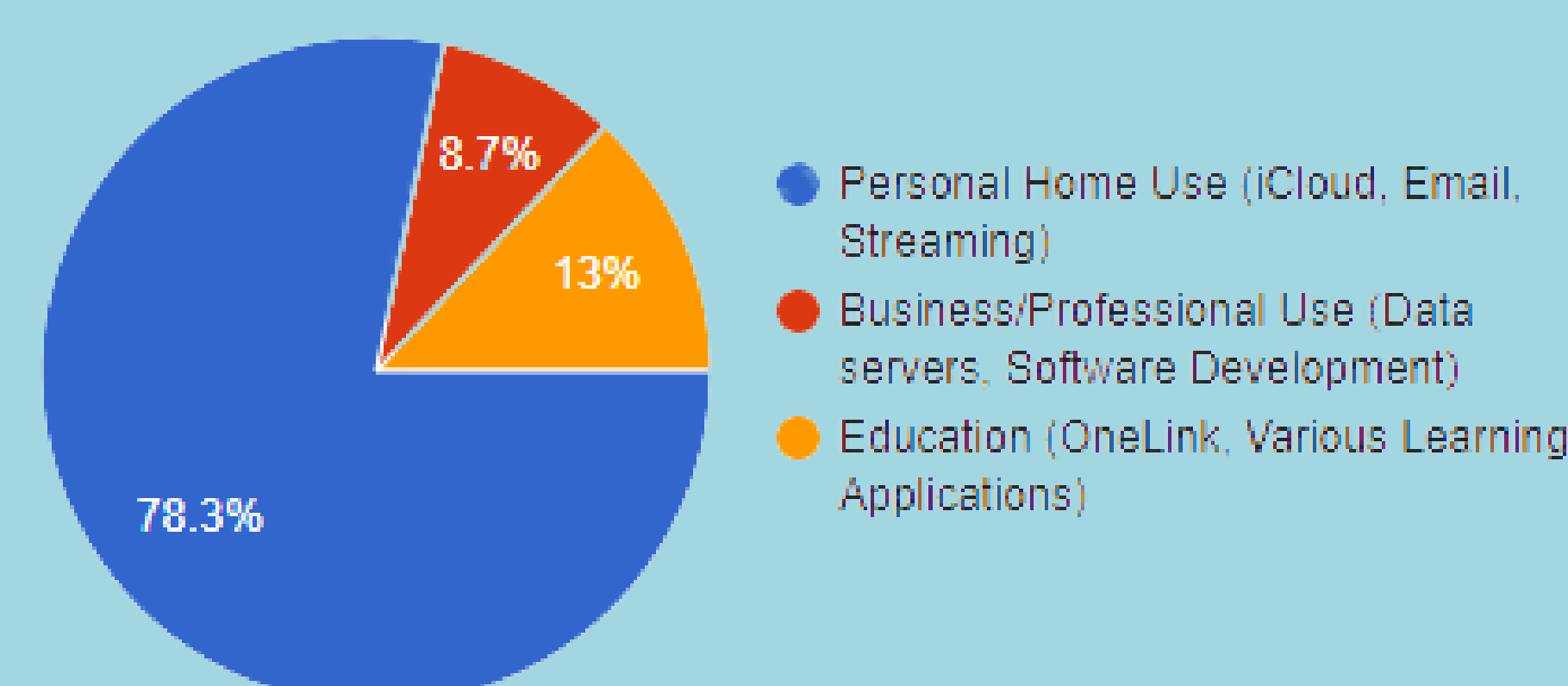
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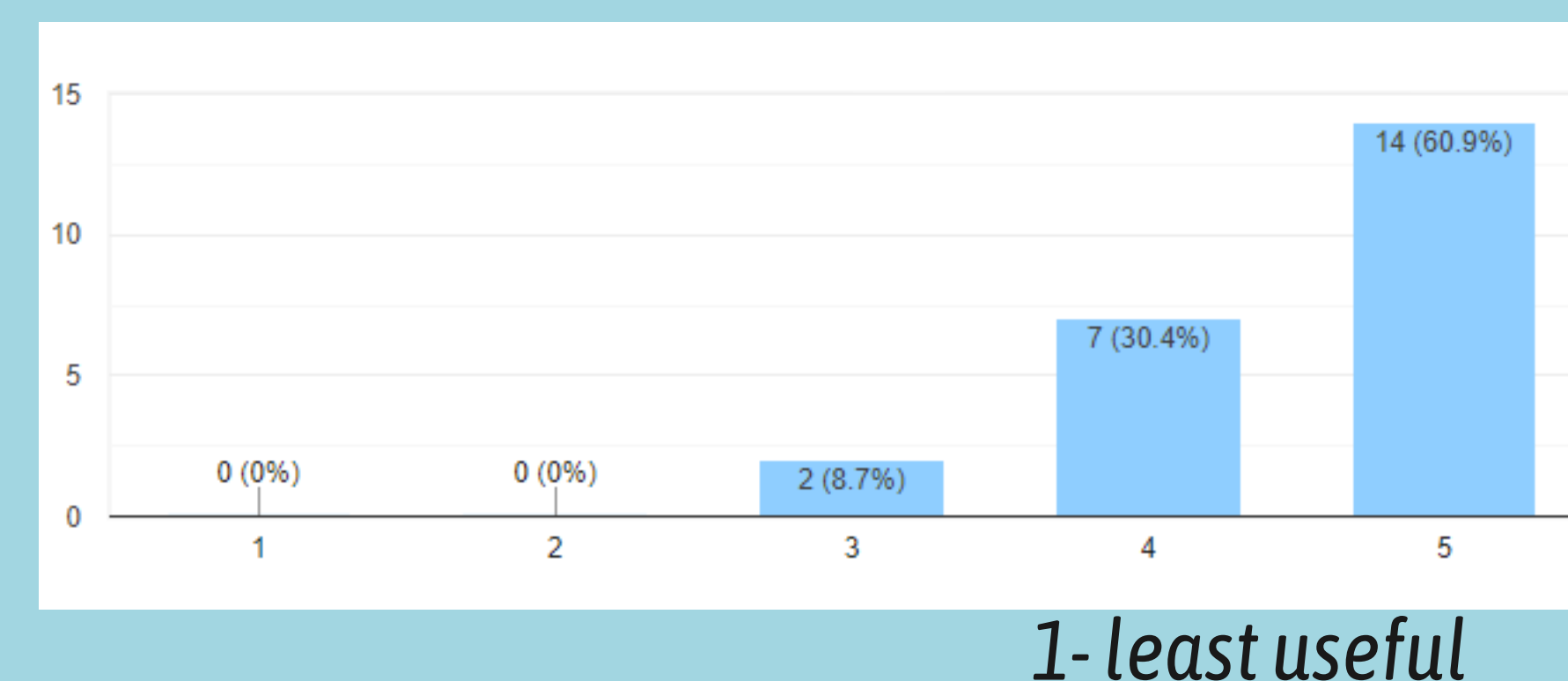
Results

STUDENT RESPONSES

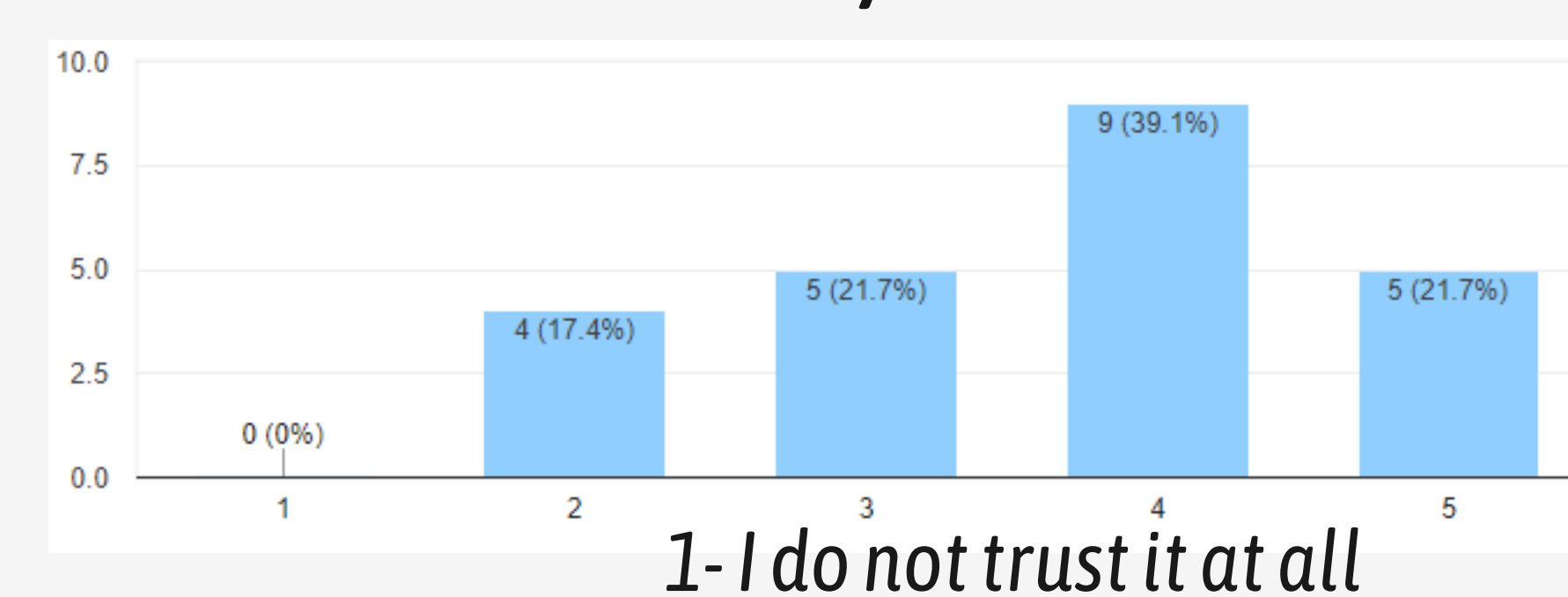
In what space would you say that you use Cloud computing services the most?



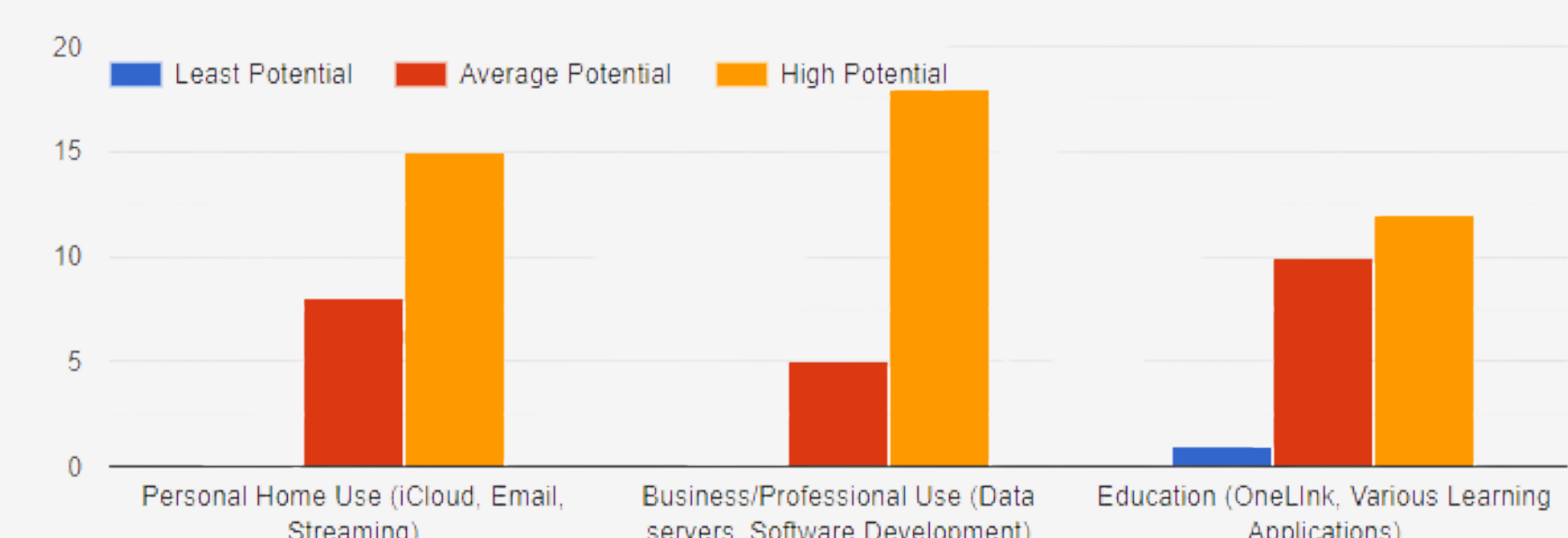
How helpful/useful to you find Cloud to be in your daily activities?



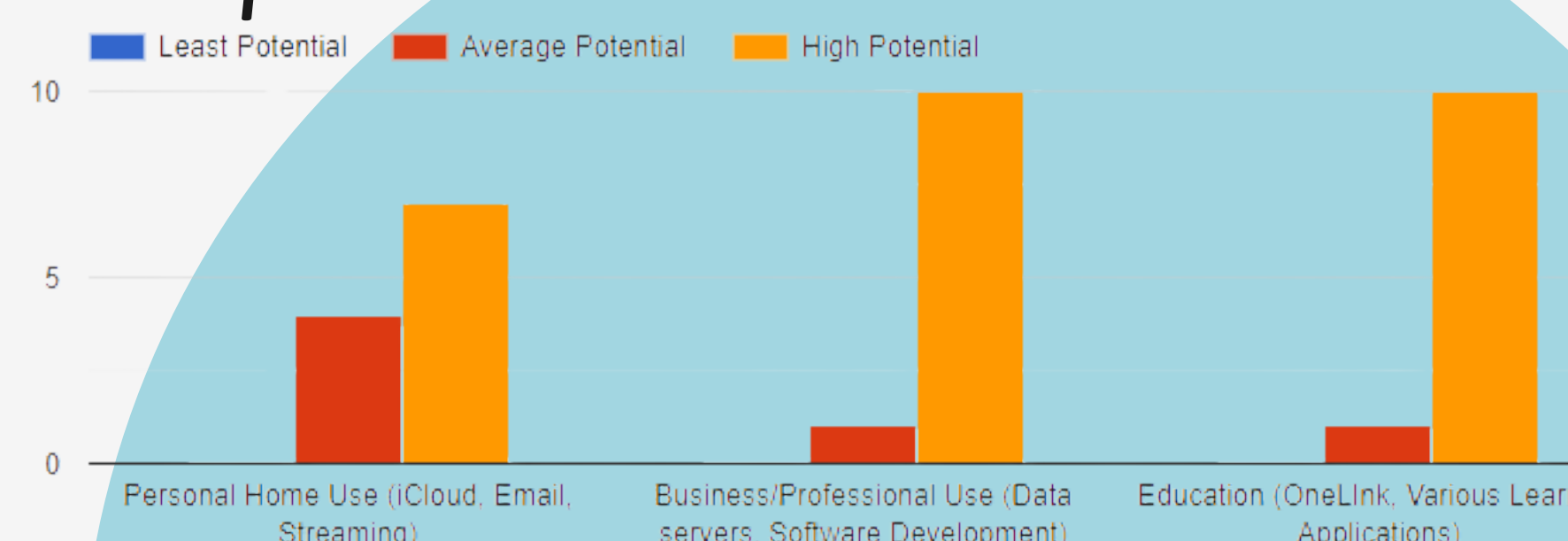
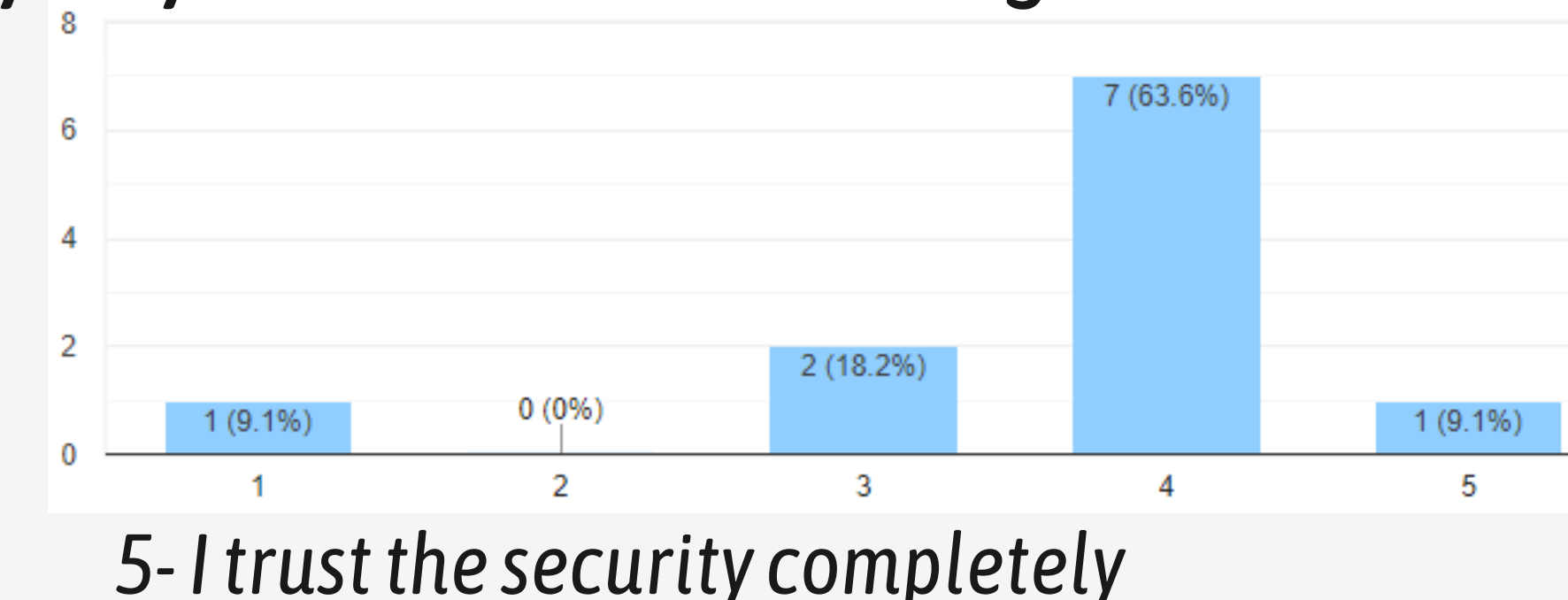
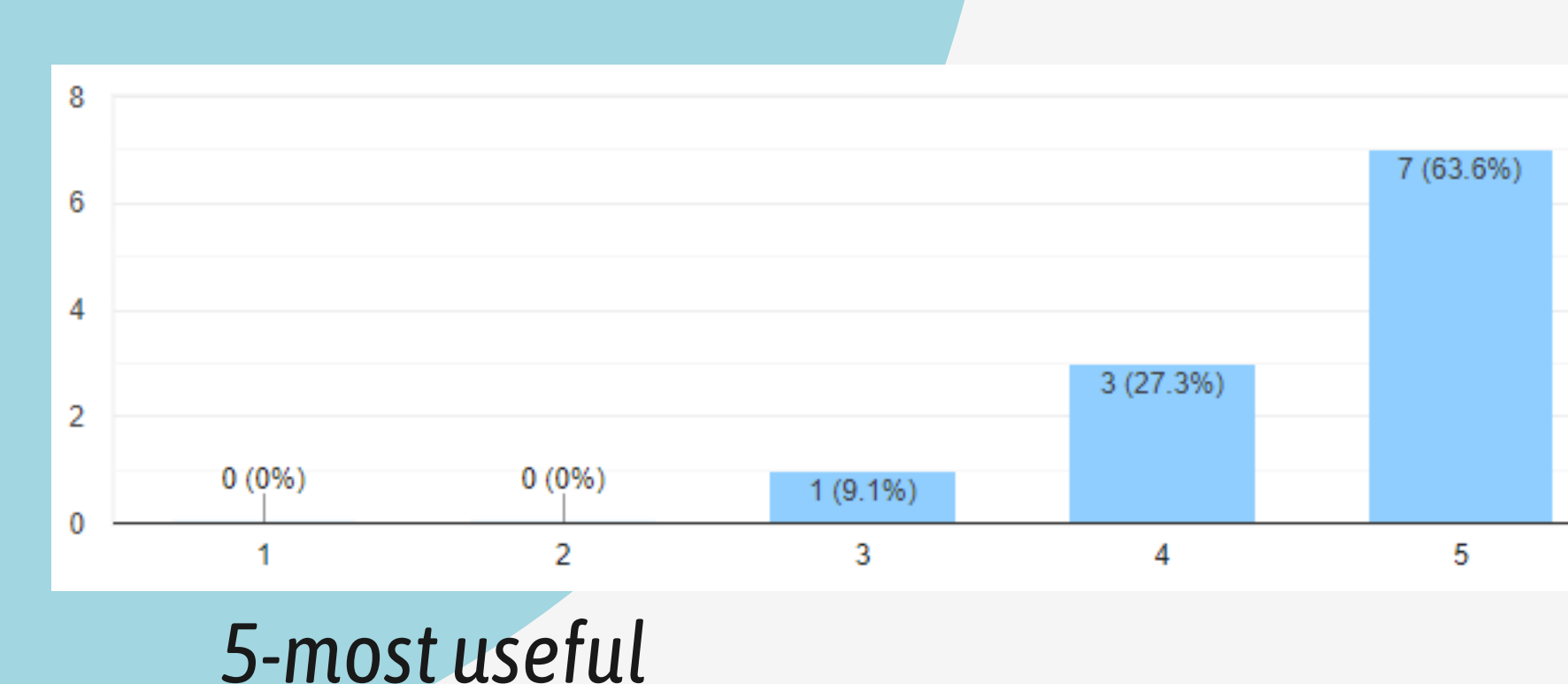
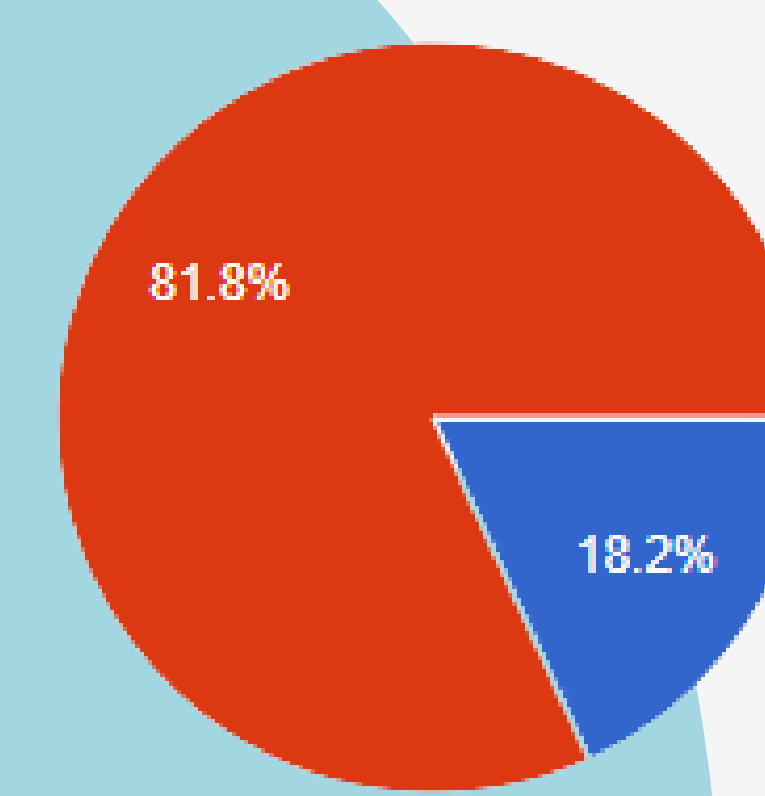
How much do you trust the security of your data when using the Cloud?



Rate the amount of potential you believe that these Cloud computing services have in certain spaces.



ADULT RESPONSES



Do you have comments or thoughts on the development of Cloud as time has progressed?

- UX speed, availability of app/resources offline continue to be areas where Cloud need to make progress on
- It has become engrained in our daily life. I can't image going back to sharing files back and forth or to having hard drives full of data.
- It will pick up even more in the future as remote works becomes more popular, and more businesses realize the utility of the cloud
- As time has progressed, we have become more and more dependent on technology to complete essential tasks to our work. With Cloud, we are enable to develop individual and organizational databases/ file banks to help us all work more cohesively. However, as the amount of personal information people contribute to the cloud increases, the question of security grows in its importance and fragility: tech companies seem to be becoming more secretive as they grow in power.

Findings

Holistically, the results of this study find that while both students and adults agree that Cloud is extremely useful in their daily activities, the students had larger suspicions on the security of their data. In general, this suspicion could be due to trending news about invasions of privacy of specific Cloud computing services. It could also be said that adults, especially those in technological fields where protecting software is crucial, find that the measures of protection taken are enough to assure their security.

Discussion

Companies are recognizing cloud as a critical facilitator for completing their digital transformation, and the COVID pandemic has hastened this requirement. As businesses and schools move away from a piecemeal strategy to a more comprehensive end-to-end digital transformation with cloud at its core, cloud is becoming a top C-suite agenda item.

In short, Cloud computing is so important because it offers flexibility, data recovery, little to no maintenance, easy access and a higher level of security.

While this study is in the exploratory stage, I suggest a research model based on existing data and experimental data that depicts the relationship between the type of cloud computing and the benefit.