

Impact of Device, Demographics, and Skill-Set on Effectiveness and Efficiency of Enterprise Analytic Applications

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Abstract

The purpose of this research is to identify how different aspects of mobility affects the visualization of enterprise data. The first phase of this project involved the creation of a dashboard using a new tool called SAP Design Studio. After that, data was collected through a series of test involving students of different knowledge sets. The responses received from the test was then turned into a data set that could be analyzed to decide how factors such as screen size, and device affect the ability to make enterprise decisions. The final phase of my research project involved literature review to compare the findings of this research project to those done previously. By identifying these factors and knowing their impact, we can help Chief Information Officers (CIOs) and IT management predict the most effective way to implement a mobile strategy within their company.

Reflections on the Learning Experience:

After completing my initial research project, I felt that my fundamental understanding of how research is conducted had developed significantly. Now that I have completed my second research project, I feel that my level of understanding has moved on to being able to apply this knowledge.

Thanks to this project I have learned and experienced many different methods of research. Before, my knowledge was mostly geared toward being able to find information. Now, I can not only find more scholarly information, but I understand how to run a research test in order to create my own information.

The knowledge I have gained from this research project is almost unmeasurable. I was able to plan, prototype, experiment, and gather respectable results. All of these skills are easily transferable to the workplace and my daily life.

The results of my research were both surprising and interesting. The only main issues I had, was coming up with a direction. The data set that I collected was very extensive, and could easily be used to propose several results. It was hard to decide which of these would be the most beneficial to my audience.

Overall I thoroughly enjoyed this research project. It taught me so much about experimentation, and how to be prepared. In addition, I learned a lot more about the real world than I would have expected. This project has greatly prepared me for the future of technology, as well as for my future career.