**Reflection Essay**

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MIS-490

September 2, 2023

**Capstone Experience**

The capstone so far is both challenging but a good learning experience. I’m able to use many of the knowledge and skills I've gained throughout the Computer Information Systems Program. It was especially challenging at first, to think and analyze what can be done with the datasets, but once I got started it became easier and easier, and I was able to add more and more to my visuals and analysis. I’ve been able to use everything I’ve learned in a more practical manner, which is very important.

**Data Integrity**

Data quality and security are extremely important to any business. This project has emphasized security aspects such as when asking about what can be done to improve it, or about the infrastructure in general, when it came to using cloud services and focusing our security and everything from there. Ensuring the data is proper is essential to the business, ensuring that any legal or privacy concerns are attended to while also being able to make the most out of it accurately to lead the business’s future.

**Security**

Security policies and procedures are extremely important, especially as businesses grow more successful, they become a bigger and bigger target. Security breaches and attacks happen often these days. The project has an emphasis on security and maintaining it to prevent risks, as they are key factors in preventing such occurrences. This project shows how centralizing everything can really become a huge benefit compared to decentralizing, especially as businesses grow bigger and complex. Promoting a culture of security with cybersecurity practices and procedures is a must-have for any business these days.

**Infrastructure and Organizational Goals**

It shows just how much the IT infrastructure can significantly impact a business’s performance and success. Shifting from decentralized to centralized is exactly the kind of thing that shows how big of a role IT can take in allowing a business to reach their goals, as there are many benefits from the transition.

**Benefits and Weaknesses of Technology Solutions**

Tech solutions such as Power BI provide major advances and ease when it comes to reporting and analysis, but they also have their own challenges. Challenges such as a demand for even more specialized training and learning how to manage good security practices on it, to ensure data security. We must think logically here and factor into the pros and cons when it comes to using technology, an important focus for any business to do as they all vary, and one may fit better than the other.

**Conclusion**

This capstone is a sort of summary of my whole degree, allowing me to utilize the skills and knowledge I’ve gained throughout, putting it all into practice with challenges it provides. It is only making me more prepared for the job market and has given me better ideas when it comes to this field and the work involved.