Course Project - Final Analysis

Shaun Pritchard

Rasmussen College

QMB4900

James Grooms

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**Course Project - Transferable Reflection**

This is assignment challenged me to implement a full data analysis project from start to finish. I was able to learn fundamental applicable skills based on the expectations of this project decision-maker and numerous business questions. that leads me to compute specific data to allocate actionable insights. This was in fact of the hardest projects I have had to do, but I believe all the skills I learned through trial and error are transferable in the real world.

From taking the data set, breaking it down, by specific categories, departments, existing metrics, non-existing metrics, running scripts, multiple tools(Python, Excel, Tableau, and SAS) to derive computations and calculations that answer specific business questions, transform raw data into applicable information, building out specific analysis the quantitative measures categorical independent variables, combining independent analysis, compiling the analysis into a simplified final presentation that revealed real insights and visualizations to communicate findings and issues, and diving into research on Inventory management practices trying to understand the industry to find solutions for problems while running the appropriate types directions systems and control processes from that research.

I was able to utilize my abilities to create visual communication elements to simplify and express my findings into actionable insights, business logic, and business intelligence. That not only answered the preliminary area questions being asked by the mock-up for Shoppers grocery chain but other questions that facilitate causation for many of the issues which led me to find many different metrics. Imagine the world I'll be working with teams I'm felt this was awesome practice into a potential real-world scenario.

I plan on incorporating the skills that I have learned through this Capstone project and if specific goals that I am trying to ascertain both professionally and personally. For the past 15 years, I've been a software programmer, recently studying to become a data scientist and earn a master's in data science.

My focus is to solve problems that haven't been solved to come up with solutions that can only be seen through the acquisition of data and Technology such as statistics, artificial intelligence, machine learning, deep learning, and reinforcement learning. I plan to use the skills that I have acquired to join teams of data scientists working on real world problems gain experience in the field of facilitating real-world solutions.

I pride myself on being a determined problem solver, being able to see the different angles of a certain situation or problem that most other people cannot see. Essentially, I advance my intuition to drive my acquired skills and mindset from military service, school, and life to push through and persevere through situation or solve problems through dedication. While utilizing these advanced tools and techniques I have learned to reach my goals.

My personal objectives after gaining experience is to get involved with the GSA government contracting or implementing my private startup. Only after I have acquired experience working with teams of professionals in this field. For instance, I have an invention / application I have been developing for past 3 years which utilizes technologies, analytics, and hardware that incorporate machine learning capabilities and has the potential to save people's lives. I want to incorporate this knowledge into real factors that will allow me to successfully become part of a team and grow to become a successful data scientist. Real success is determined by the measure of experience on has. One cannot gain experience unless they utilize trait skills of those around them who aspire to solve the problems and persevere. This is a personal philosophy I live by that Nothing can stop the man/women with the right mental attitude from achieving their goals.