MGT 6203 Group Project Proposal Template

**Please edit the following template to record your responses and provide details on your project plan.**

**TEAM INFORMATION (1 point)**

**Team #:** 29

**Team Members:**

1. Jacob M Liu; jliu3124

Background: I am currently working at Walmart as a Store Performance Analysist. My previous experience was at Insight Global, as a lead sales analysist intern during my senior year at Georgia State University, where I received my Bachelor of Business Administration (BBA) in Marketing and Computer Information Systems, with a specialization in data analytics. Previous analytic projects include developing machine learning models to predict bank churn rates and developing dashboards for small to medium firms through Upwork freelancing.

1. Hecheng Wang; hwang3002

Background: Currently working full time as Engineering Manager in Automotive Electronics Manufacturing. Bachelor of Electrical and Computer Engineering from University of Toronto. Previous analytics related projects include Machine Capability Study, Measurement System Analysis from work, and Medical Image Segmentation from another OMSA course project.

1. Aayushi J Patel; apatel3052

Background: Worked as a Data Analyst at SCC Infotech LLP. Completed Bachelor of Information Technology from P P Savani University, India. Previous analytics projects include Superstore Dataset Analysis using Python, NYC Airbnb Data Visualization in Tableau and Gesture and Emotion Detection Application using Python and Java.

1. Supranee Saringkarnpoonperm; ssaringk3

Background: Worked as VP Sourcing and Supply Chain Management for Home Improvement Retailer in Malaysia. Bachelor and Master of Electrical Engineer from Chulalongkorn University, Thailand and been working in Telecoms around the globe until 2013 before switching to Supply Chain Management. Previous analytics work in the retails’ supply chain management such as inventory management, supply chain network, distribution center planning, etc.

**OBJECTIVE/PROBLEM (5 points)**

**Project Title:**

**Background Information on chosen project topic:**

**Problem Statement (clear and concise statement explaining purpose of your analysis and investigation):**

**State your Primary Research Question (RQ):**

**Add some possible Supporting Research Questions (2-4 RQs that support problem statement):**

**Business Justification:** **(Why is this problem interesting to solve from a business viewpoint? Try to quantify the financial, marketing or operational aspects and implications of this problem, as if you were running a company, non-profit organization, city or government that is encountering this problem.)**

**DATASET/PLAN FOR DATA (4 points)**

**Data Sources (links, attachments, etc.):**

**Data Description (describe each of your data sources, include screenshots of a few rows of data):**

**Key Variables: (which ones will be considered independent and dependent? Are you going to create new variables?** **What variables do you hypothesize beforehand to be most important?)**

**APPROACH/METHODOLOGY (8 points)**

**Planned Approach (In paragraph(s), describe the approach you will take and what are the models you will try to use? Mention any data transformations that would need to happen. How do you plan to compare your models? How do you plan to train and optimize your model hyper-parameters?))**

**Anticipated Conclusions/Hypothesis (what results do you expect, how will you approach lead you to determining the final conclusion of your analysis) Note: At the end of the project, you do not have to be correct or have acceptable accuracy, the purpose is to walk us through an analysis that gives the reader insight into the conclusion regarding your objective/problem statement**

**What business decisions will be impacted by the results of your analysis? What could be some benefits?**

**PROJECT TIMELINE/PLANNING (2 points)**

**Project Timeline/Mention key dates you hope to achieve certain milestones by:**

**Appendix (any preliminary figures or charts that you would like to include):**