**PROPOSAL**

**To:** Dr. David Babalola, Professor – DATA 1205, Durham College

**From:** Ms. Nisha (100955146)

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**Date:** March 11, 2024

**Subject:** Assessment 4: Team Proposal One Page

Dear Professor,

Cardiovascular diseases (CVDs) are a leading cause of global mortality. This proposal aims to leverage Tableau for visualizing and analyzing a dataset containing health-related attributes, exploring potential correlations with heart attacks. The visualization will provide actionable insights to identify risk factors and aid in preventive healthcare.

**Business Problem:**

Understanding the factors contributing to heart attacks is crucial for developing targeted health interventions. This analysis seeks to identify patterns and associations in the dataset to predict the likelihood of a heart attack based on various health parameters.

**Data Overview:**

The dataset includes information on individuals, encompassing age, gender, physical attributes (height, weight), blood pressure, cholesterol levels, glucose levels, smoking habits, exercise habits, and a binary indicator for heart attacks.

**Objectives:**

* Identify High-Risk Profiles: Discover demographic and health attribute combinations that correlate strongly with heart attacks.
* Explore Lifestyle Factors: Examine the impact of smoking and exercise habits on cardiovascular health.
* Visualize Health Metrics: Utilize Tableau to create interactive visualizations showcasing the distribution of key health metrics within the dataset.

**Reference:** Heart Health Stats Dataset. (n.d.). <https://www.kaggle.com/datasets/mahad049/heart-health-stats-dataset?resource=download>

Sincerely,

Nisha

Anitha Babu

Maisha Khatoon