Capstone Project # 2
Recommendation System - Proposal

Problem Statement

Create a recommendation system using credit card transactions records. The data contains transactions from multiple people and contains GPS records. The aim is to provide the customer following

   a. Based on the current purchase from a customer, the recommendation system should recommend the same product from other vendors that can save him/her money along with the actual value saved.
   b. Based on the purchases made by similar customers, the recommendation system should recommend other products that similar customers purchased. For example, if a customer bought coffee from starbucks and there is another customer who bought coffee from the same starbucks and bought doughnuts from nearby Krispy Kreme, the recommendation system should recommend Krispy Kreme to the current customer.

Client

FinGoal - The company will use this recommendation and provide data for the project. Their aim is to plug this recommendation system in their app and give their clients saving options.

DataSet

FinGoal will provide the data set for the project.

Deliverables

1. GitHib repository with the project code
   https://github.com/fariha23/recommendation_system_creditcard
2. Code format will be either Jupyter Notebooks or python script
3. A report in PDF format explaining the methodology and results will be published in GitHub repository
   a. The results will include several clear data visualizations that goes with the data story of the project
   b. Any assumptions that were made for the resolution of the problem will be clearly stated
   c. The recommendations to implement the solution, if there are any, will be included too
4. A slide deck for presentation will also be included and saved in the GitHub repository