Business Analytics Assignment

1. **Prepare a dashboard either in Power BI or Tableau based on the Sales data shared.**
   a. Identify key KPIs relevant for the business and put them on the dashboard
   b. Write a description/insights on the performance of KPIs, in a word doc.

2. **Classification model:**
   a. **Loan Status Prediction:**
      i. This is a Property Loan Status Prediction dataset, we have the data of applicants who had previously applied for the loan based on the property and applicant-based metrics.
      ii. The bank will decide whether to give a loan to the applicant based on some factors such as Applicant Income, Loan Amount, previous Credit History, Co-applicant Income, etc.
      iii. The objective is to build a Machine Learning Model to predict the loan to be approved or to be rejected for an applicant.
      iv. You are free to use any classification model such Logistic Regression, KNN or Decision Tree.
      v. Write the performance and key insights on the data in a word doc.

3. **Regression model:**
   a. **Sales Forecasting:**
      i. You are provided with historical sales data for 45 retail stores located in different regions. Each store contains a number of departments, and you are tasked with predicting the department-wide sales for each store.
      ii. In addition, the retail company runs several promotional markdown events throughout the year. These markdowns precede prominent holidays, the four largest of which are the Super Bowl, Labour Day, Thanksgiving, and Christmas.
      iii. Data:
         1. stores.csv: This file contains anonymized information about the 45 stores, indicating the type and size of the store.
         2. features.csv: Comprise of information on Markdown and macroeconomic factors.
         3. train.csv: This is the historical training data.
      iv. Write the performance and key insights on the data in a word doc.