In this project I have worked with the MNIST dataset of Star-Garage Invoices, a popular benchmark in machine learning for handwritten digit recognition.

The environment used for development is Google Colab. I have used machine learning libraries like: pandas, numpy, matplotlib, seaborn

Pandas for data manipulation, numpy for numerical operations, and matplotlib along with seaborn for potential data visualization. The MNIST test dataset is loaded into a panda DataFrame, containing 10,000 rows and 787 columns. Each row represents a single digit image, with the 'labels' column indicating the actual digit (0-9), and the remaining columns (784 in total) representing the pixel values of the 28x28 grayscale images.

Compared the confusion matrix for both Naïve Classifiers and Non-naive based Classifiers. Concluded that Non-Naïve is much better for real-word digit recognition scenarios.