

**Assignment 1: Assignment on Python Basics for Machine Learning**

**Assignment 2: Assignment on Data Pre-processing – 1**

**Assignment 3: Data Pre-processing – 2**

**Assignment 4: Implementation of Simple Linear Regression – 1 Dataset: Prepare the dataset from a python dictionary and convert it into a Pandas DataFrame**

**Assignment 5: Implementation of Simple Linear Regression – 2 Dataset: Placement.csv**

**Assignment 6: Implementation of Multiple Linear Regression – 1 Dataset: Housing.csv**

**Assignment 7: Implementation of Multiple Linear Regression – 2 Dataset: Electricity\_cost\_dataset.csv**

**Assignment 8: Implementation of Polynomial Regression Dataset: SleepQualityPolyRegressionData.csv**

**Assignment 9: Implementation of K - Nearest Neighbors (KNN) classification – 1 Dataset:**

**iris.csv Assignment 10: Implementation of K - Nearest Neighbors (KNN) classification – 2 Dataset: Titanic (Seaborn library)**

**Assignment 11: Implementation of Logistic Regression Dataset: Pima\_Indians\_Diabetes.csv**

**Assignment 12: Implementation of Logistic Regression – 2 Load the Breast Cancer Wisconsin dataset from sklearn.datasets.load\_breast\_cancer**

**Assignment 13: Implementation of Naive Bayes Theorem Dataset: spam\_binary\_features.csv**

**Assignment 14: Implementation of Support Vector Machine Dataset: Crop Recommendation Dataset**

**Assignment 15: Implementation of Decision Tree Classification Dataset: Penguins dataset from Seaborn (sns.load\_dataset('penguins'))**

**Assignment 16: Implementation of K-Means Clustering – 1 Dataset: Mall\_Customer.csv**

**Assignment 17: Implementation of K-Means Clustering – 2 Dataset: Spotify songs dataset**

**Assignment 18: Implementation of Agglomerative Clustering Q.1. Dataset: Iris.csv Q.2. Dataset: Mall\_Customers.csv**

**Assignment 19: Implementation of Apriori Dataset: Market\_Basket\_Optimisation.csv**

**Assignment 20: Implementation of FP Growth Dataset: Market\_Basket\_Optimisation.csv**