**Algorithms**

SVM

step 1: Start.

step 2: Import the required packages.

step 3: Load the “Social networks ad” dataset.

step 4: Splitting the dataset into the Training set and Test set.

step 5: Preprocess the dataset using Feature Scaling technique.

step 6: Find SVM for “linear” kernel.

step 7: Predict the test set results for SVM “linear” kernel.

step 8: Find SVM for “rbf” kernel.

step 9: Predict the test set results for SVM “rbf” kernel.

step 10: Find SVM for “poly” kernel.

step 11: Predict the test set results for SVM “poly” kernel.

step 12: Plot data points using linear.

step 13: Create hyperplane.

step 14: Plot the hyperplane.

step 15: Stop.

K-means

step 1: Start

step 2: Import the required packages.

step 3: Load the “iris” dataset.

step 4: Categorize x and y labels as features and target respectively.

step 5: Create K-means model with k number of clusters.

step 6: Train the model with x labels.

step 7: Print new cluster centers for k clusters.

step 8: Print new target labels for corresponding data points.

step 9: Plot Actual and Predicted data points for model w.r.t. x labels.

step 10: Stop.

Histogram

step 1: Start

step 2: Import the required packages.

step 3: Load the “iris” dataset.

step 4: Get “sepal length” as x label from “iris” dataset.

step 5: Plot Histogram with x label.

step 6: Stop

Bar Plot

step 1: Start

step 2: Import the required packages.

step 3: Initialize data and corresponding labels.

step 4: Plot bar graph with data and corresponding labels.

step 5: Stop

Pie Plot

step 1: Start

step 2: Import the required packages.

step 3: Initialize data.

step 4: Initialize labels.

step 5: Plot pie chart with data and corresponding labels.

step 6: Stop.