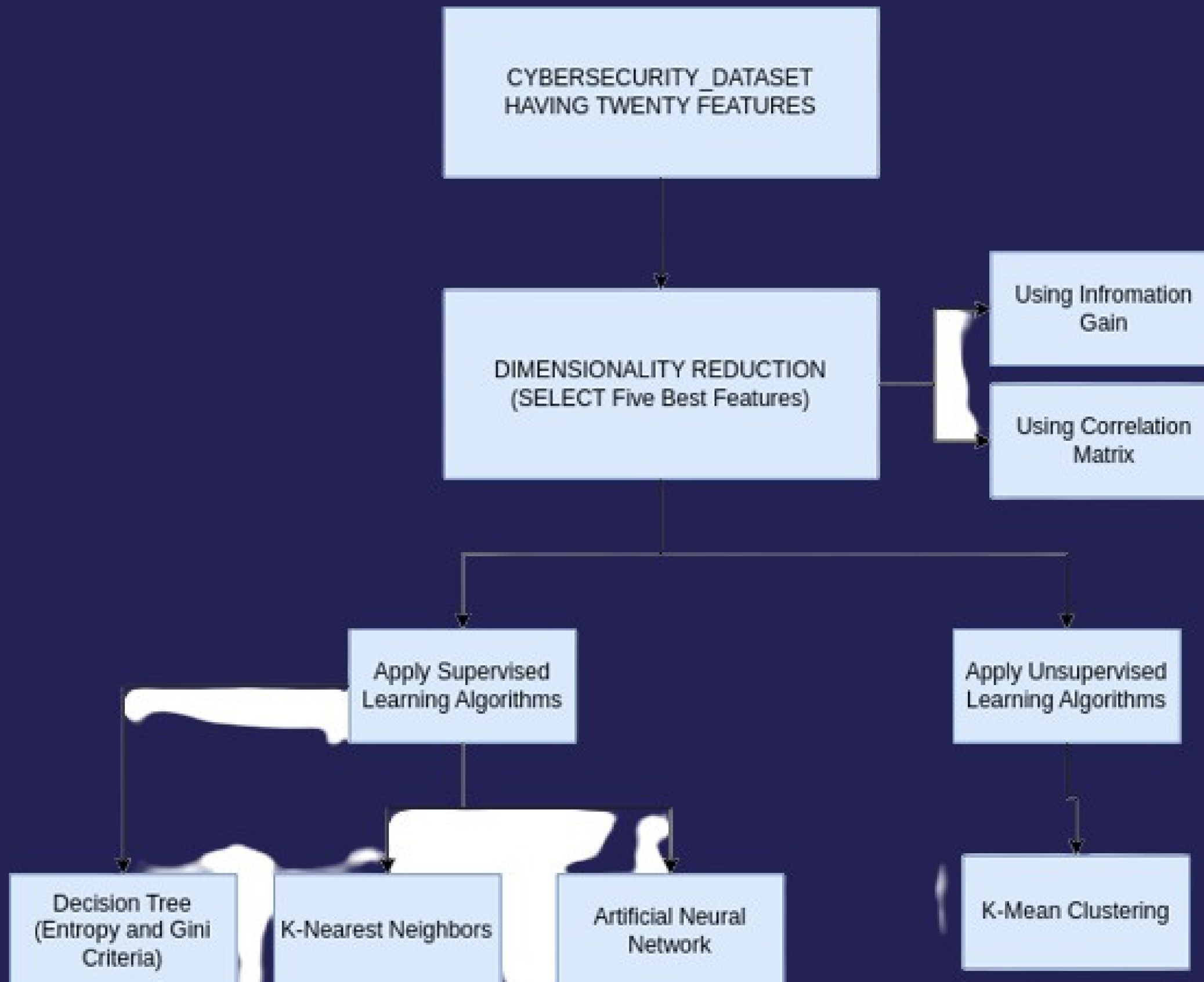# JawadAhmed
Waqar Ahmed

Section: BCS-6A

Project Idea

Data Preprocessing

Dimensionality Reduction

Correlation Matrix

Information Gain

Supervised Learning Models

Decision Tree

Artificial Neural Network

K-Nearest Neighbors
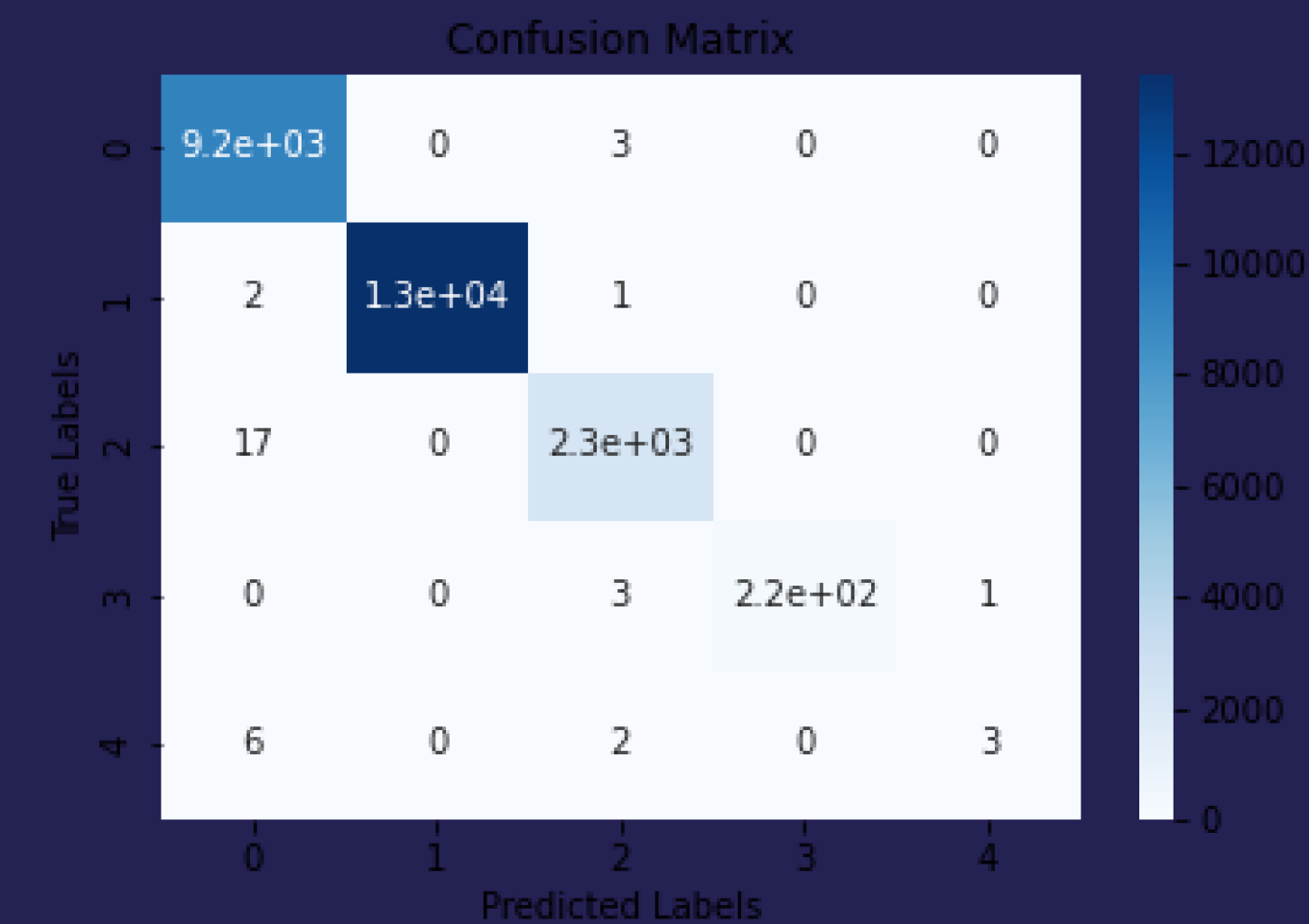
Un-Supervised Learning Model

K-Mean Clustering

Performance Evaluation: Supervised Learning Models
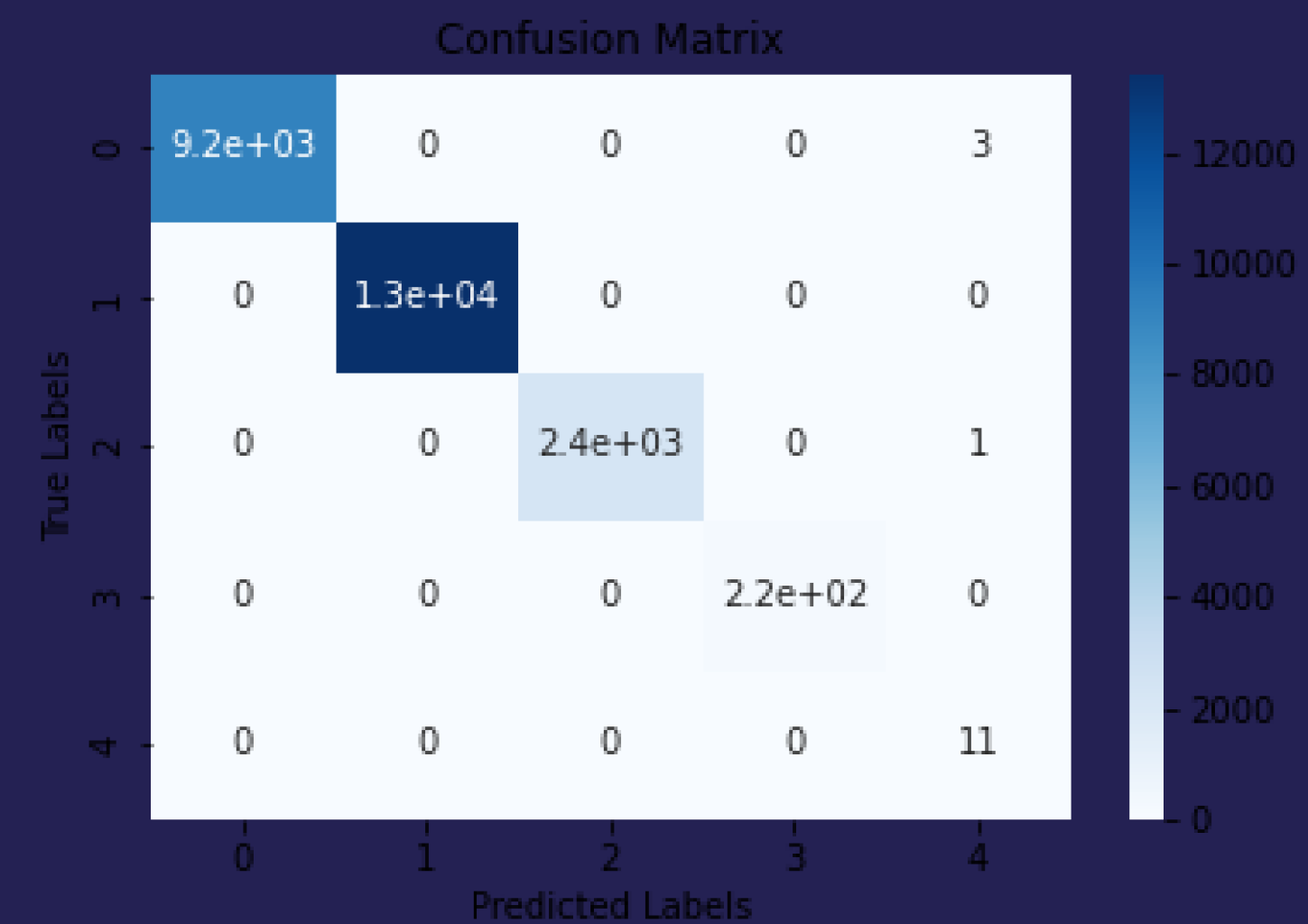
Confusion Matrix

Accuracy, Error Rate, Precision, F1 Score

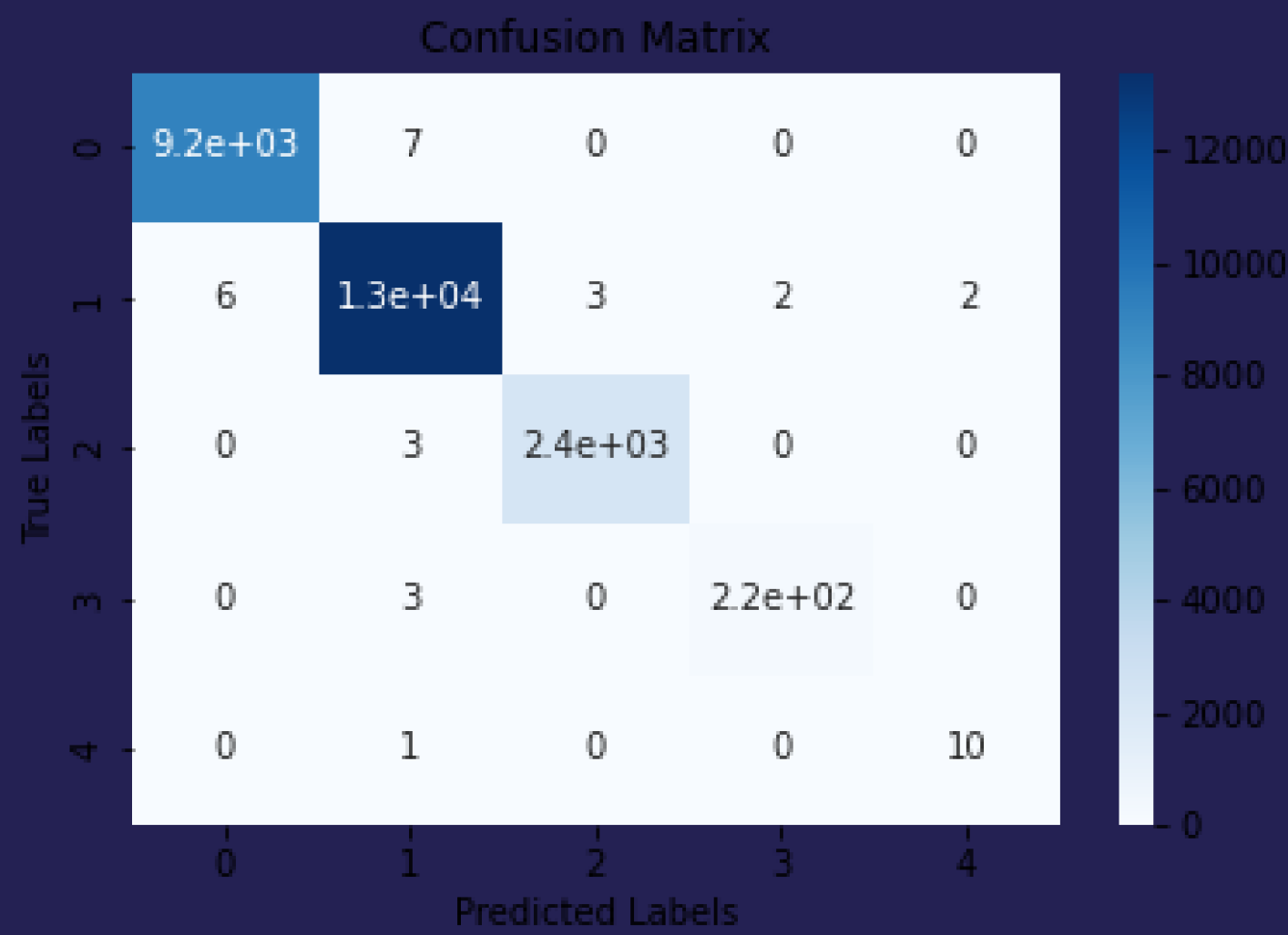# Performance Evaluation: Information Gain

Confusion Matrix: ANN Model

Confusion Matrix: Decision Tree

Performance Evaluation: Information Gain

Confusion Matrix: KNN Model

Performance Evaluation: K-Mean Clustering

Elbow Method

Correlation Matrix with K = 4