School of Computer Science Engineering and Technology

Course- BTech Type- Core

Course Code- Course Name- Statistical Machine learning

Year- 2023-2024 Semester- odd

Date – 5-10- 2023 Batch- ALL

Question 1:

<https://www.kaggle.com/datasets/kellistephenson/increasing-breast-cancer-awareness>

1. Read the data with pandas and find features and target variables
2. Find target variable
3. Train KNN
4. Find accuracy for different K values[2-20], plot a graph

**Question 2:**

<https://www.kaggle.com/datasets/gianinamariapetrascu/japan-life-expectancy>

By using above data set

• find MSE using KNN

Plot the graph between mse, and K value[1-20]