

APT 3025 Spring 2022

Assignment 2

Due Saturday 12th March 2022

Marks: 20

1. Download the diabetes dataset provided.
2. Load it into a Jupyter Notebook.
3. Split the data into training and test sets.
4. Train a decision tree classifier that is pruned at a depth of 6.
5. Visualise the tree.
6. Show the model's accuracy on the training and test data.
7. Make a prediction for the person with the following information: 3, 125, 68, 30, 120, 37, 0.4, 28.