

README FILE TO RUN THE CODE:

For the evaluator:

Run Cell wise: Using Shift + Enter

The code is submitted in the JUPYTER NOTEBOOK form under the name:

“Machine Learning Assignment1 Code.ipynb”

The code contains 4 section:

- Initial imports: It imports standard libraries NumPy, Pandas, Matplotlib. The seaborn library can be commented out as it is only used for Data exploration. This section also reads the data into pandas dataframe. Note: The data should be an EXCEL FILE ONLY
- Data Exploration: This section is for the purpose of exploration of the data by the AUTHOR only. The EVALUATOR NEED NOT RUN THIS SECTION AND CAN DIRECTLY GO TO THE NEXT SECTION AND RUN FROM THERE.
- BUILDING DECISION TREE: This section needs to be run by the evaluator. This section contains ALL the functions and code used in the assignment. Run all the cells and move to the ASSIGNMENT QUESTIONS section
- ASSIGNMENT QUESTIONS: This contains 5 cells and each cell needs to be run by the evaluator to get an output for the corresponding question. The evaluator can then evaluate the output. For the first 2 questions the MAXIMUM DEPTH variable has to be changed to the desired value by removing the comment

PLS NOTE AGAIN: ONLY sections 1,3 and 4 need to be run.

If the evaluator doesn't have the Anaconda distribution, you can directly run the code from the following: GOOGLE COLAB link. Please upload the data file before running.

Link: <https://colab.research.google.com/drive/1-FWfaZOF44UEZznVBrXwQ8Nzpv17z96A?usp=sharing>

INCASE OF ANY FURTHER QUERIES IN RUNNING THE CODE:

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