

Assessed Task 5: 40 marks

In group of 3 members, implement a decision tree with dataset of your choice using the following resources:

UCL Machine Learning Repository:

<https://rdr.ucl.ac.uk/category>

UCI Machine Learning Repository:

<https://archive.ics.uci.edu/datasets>

KD Nuggets:

<https://www.kdnuggets.com/datasets/index.html>

Kaggle Dataset: <http://www.kaggle.com>

Or just google: 'dataset for decision trees'

In your Jupiter Notebook, you must include the following headers:

- Title
- Introduction **(5 Marks)**
- Introduction to the chosen techniques **(5 Marks)**
- Introduction of the dataset **(5 Marks)**
- Input encoding / input representation (How and why?) **(5 Marks)**
- Coding for the implementation with comments **(10 marks)**
- Analysis of Results and comments **(10marks)**

Max words: 1000 words

Save **Task5.ipynb** file as **Task5.html** (with the full codes and outputs) and submit it

onto Moodle via the submission link. **Deadline: Friday 2nd May 2025 23:59 via Moodle**

submission link