Meeting's report for ELLEN WANG

Honour's student

22-10-2021

1. Agenda for today's meeting

- Present some more findings on readings I've completed

2. Work already completed

- Set up structure to log readings

3. Meeting Minutes from previous week

- Tree has most basic functionalities, including binary (with capacity for more) classifiers, parameter taking in continuous data.
- Ran the titanic dataset over the tree with 74% accuracy.
- Compare this with the sklearn package and see what the difference in accuracy is.
- Question: if the GINI or Entropy score is the same, what does your program do? Does it pick a random feature or is one prioritized over the other based on another metric? Sklearn should be taking a random feature.
- Find data that has similar splits and run that over your code.
- Build out the minimum sample leaf and number of trees parameters.
- Spent significant amounts of time looking over how others have built their decision trees.
- The bagging component of the tree is fairly easy once you have built out the tree.
- Start looking into adapting the MRI dataset onto the decision tree, so appropriate changes can be made.
- Should start collating a list of references and readings, that Audrey and Pierre can review to see if I am on the right track.

4. Planned work after this meeting

- Build out more features in the random forest.
- See how your program chooses between GINI of the same value.
- Run decision tree over more datasets.
- Unpack MRI data imaging and run through decision tree.
- Collect list of references in Excel.