YZV312E - Data Mining
2022/2023 Fall
Homework 2

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- In this homework, you will implement Random Forest from scratch.
- A code template is given to make your job easier. You must follow the given python files and fill in the methods.
- You are free to add extra methods and variables. But do not change the main structure of the given template.
- You can not add any other libraries. If you think you need it, please ask before using it.
- **Do not copy codes from other people's codes.** If you copy codes from the books, websites or other sources, it will be detected. Also, disciplinary actions will be taken. Team work is not allowed. Patterns of your solutions must belong to only you.
- Do not upload your codes to any public platform (e.g. Github) until the deadline for homework passes.
- **Your uploaded zip file should include all the python files and a text file. The text file should include the confusion matrix, accuracy, precision, recall, f1-score of your Random Forest model, and your interpretation of the results.**
- Do not forget to **comment your code**. You can use markdown cells or # in your code cells. It is not possible to use initiative while evaluating your implementation in case there are no comments.
- Write a clean code.
- Read carefully the instructions given in the code files.
- If you have any questions, do not hesitate to send an email to **yilmazy20@itu.edu.tr**.