(https://archive.ics.uci.edu/ml/datasets/wine+quality)

Project: Wine Quality

Deadline: 2020-07-12 18:00:00

Total marks: 3.0

Your information:

- Fullname:
- Date of birth:
- Place of birth:
- Email:
- Mobile phone:

In this notebook, we practice all the knowledge and skills that we learned in this course. Please choose one suitable algorithm (**Linear Regression**) to predict: "wine quality" by accuracy evaluation methods.

Please read Wine Quality information (https://archive.ics.uci.edu/ml/datasets/wine+quality) carefully before you do this project!

Dataset: winequality-red.csv and winequality-white.csv

Attribute Information:

For more information, read [Cortez et al., 2009]. Input variables (based on physicochemical tests):

1. fixed acidity
2. volatile acidity
3. citric acid
4. residual sugar
5. chlorides
6. free sulfur dioxide
7. total sulfur dioxide
8. density
9. pH
10. sulphates
11. alcohol

Output variable (based on sensory data):

1. quality (score between 0 and 10)

Requirements:

- Data exploration
- Data visualization
- Pre-processing: Feature selection/extraction
- Linear Regression
  - Model Evaluation using Test set
  - Report

In [ ]: