Machine Learning: Homework on Linear Regression/Classification

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Instructions

You have to complete 2 Jupyter notebooks:

- one for regression (ccpp data)
- one for classification (wine data)

Both notebooks have missing code: need to fill in what is missing

You also need to write some text (to explain choices or describe results)

Feel free to add cells with text if you need to explain or describe some ``non-standard'' decision!

FIRST THING TO DO: you need to put your ID number in both notebooks (as seed for random number generators).

If no ID number for Laurea Magistrale: use the ID number from your previous degree.

Deadline

Submit your completed notebooks:

- **deadline: Thursday November 21th, 11:55 PM**
- **use link in elearning website**

Submit 2 files (1 completed notebook regression, 1 completed notebook classification) - **Only submit your completed notebooks!**

IMPORTANT: Use the following file names for the 2 files that you have to submit:

- for the linear regression notebook: LR_FirstnameLastName_IDnumber.ipynb
- for the linear classification notebook: LC_FirstnameLastName_IDnumber.ipynb

Example: student Fabio Vandin, ID number 000001 will submit files:

- LR_FabioVandin_000001.ipynb
- LC_FabioVandin_000001.ipynb

WRONG FILE NAMES = 0 POINTS

In lab assistance: **Thursday November 14th, rooms Te-Ue, 16:30-18:30**

Datasets

Regression problem:

- Combined-cycle power plant

http://archive.ics.uci.edu/ml/datasets/Combined+Cycle+Power+Plant

Classification problem:

- Wine data

http://archive.ics.uci.edu/ml/datasets/wine

See links above for descriptions and references

For questions:

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