Project 1 CMLI & CDS courses: Linear Models

The objective of this project is to create a model for real estate value prediction. You will continue with the activity started in the Computational Machine Learning I class "Real Estate Value Prediction with Linear Models". This project will be evaluated by both courses (Computational Machine Learning I and Computing for Data Science) independently. In order to deliver the project, create a Github repository for this project (make it private for the Kaggle competition) and share it with both professors (jejewson, Icedarr).

Evaluation:

Computational Machine Learning I:

This project will be to extend the initial in-class project outlined in linear_models_project1.ipynb

Here you will be assessed on the data science techniques we have learned so far, handling data with pandas, linear modeling and LASSO with sklearn and graph plotting with matplotlib and seaborne. For CMLI you will NOT be assessed on your Programming Principles (see below).

For the final delivery, please provide a .ipynb which runs your analysis and provides commentary showing that you understand the methods used and the output produced.

25% of the Computational Machine Learning I course final grade is based on this project.

Computing for Data Science:

Your coding skills will be evaluated for this course. In this project, you should try to apply the principles taught during the classes: DRY, the use of functions and loops.

For the final delivery, try to write clean and reusable code and organise it preferably in .py files to be imported in the final notebook.

10% of the Computing for Data Science course final grade is based on this project.

Deadline:

Sunday 7th November 11:59pm

Contact:

For questions regarding CML I please contact Jack Jewson (jack.jewson@bse.eu)

For questions regarding CDS please contact Roger Garriga (roger.garriga@bse.eu)