DIPARTIMENTO DI INGEGNERIA DELL'INFORMAZIONE



Università degli Studi di Padova





LAB 1: Linear Classification and Regression

Machine Learning 2022-23 F. Chiariotti, A.A. Deshpande



LAB 1: Linear Regression and Classification

There are 2 tasks:



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Complete the Notebook

□ You have to complete the Jupyter notebook:

- **O** Classification problem (NBA roles, perceptron and logistic regression)
- O Regression task (house prices, Least Square)
- FIRST THING TO DO: you need to put your name and ID number in the notebook

You can also use your ID as a seed for random number generators

- The notebook has missing code:you need to fill in what is missing
- You must write the answer to all the questions in the notebook
- You should also include some text/comments (to explain choices or describe results)
- Feel free to add cells with text if you need to explain or describe some "non-standard" decision!
 - ^o But do not change the input data files, they will not be submitted



The Task

jupyter

Complete the jupyter notebook

- i.e., write the code and answer to the questions
- Check that they run properly from the beginning with the provided data (use the "restart kernel&run all" command)
- Save them as surname_name_lab1.ipynb
- Submit on elearning



Timeline

□ Tue 15/11 : Homework released

- □ Wed 16/11: Lab 1 (rooms Te/Ue)
- □ Tue 29/11: Delivery deadline
- The outcome is an on-off mark (i.e., +1 for the exam mark if the homework is reasonably done)