## **Final Project**

**This is the end of the Bootcamp, a good moment to check if you master the concepts** and you can continue their learning path towards more advanced topics in the future.

**You will work in groups of at least two members and you can choose the challenge** from both algorithms you learned in the past weeks:

- Use linear regression to predict the selling prices of houses based on a variety of features on which the value of the house is evaluated.

- Use logistic regression to understand the demographics and other characteristics of bank customers' that accept a credit card offer and that do not accept a credit card.

### **Goals**

1. Present a professional project

- Produce documentation to make the project accessible

- Record a short video ( 6 mins. for project description and methodology + 1 min. for code demo ) accommodating your script to constraints (time, audience, etc.)

- Build engaging presentations

2. Go through the whole Data Analysis process on their own, without much support.

3. Use Python to interpret the structure

- Pull the data as a dataframe in python.

- Perform data cleaning and data wrangling in Python

4. Perform Exploratory Data Analysis

- Fit the model

- Check accuracy of the model (exploring \*Variance vs. Bias\* tradeoff)

- Iterate on the model to get more optimized results.

5. Perform the model deployment with `streamlit`

### **Project | Deliverables**

- You will be required to record a short video ( 6 mins. for project description and findings + 1 min. for demo of the streamlit app, \*\*don't show the code\*\* record yourselves using the app)

- The repo should be properly organized with specific use of folders and it should follow the naming conventions for folders ( data/, scalers/, models/ ).

More details in the specific folder of each project [regression](https://drive.google.com/drive/folders/1G_lChOiv05KhkljK_BXULJ0A3o_XTs2G?usp=sharing) or [classification](https://drive.google.com/drive/folders/1itD_714c4DD8mzC8OdIwETBubu0YnmY8?usp=sharing)