**Part 1 on Data Preprocessing!**

We will start by learning and doing Data Preprocessing in Python (next section), and then in R (section after Python). I remind that it is not necessary to master the two languages. We just made this course in both Python and R so that everyone can work on its favorite programming language.

**Part 2 - Regression!**

Regression models (both linear and non-linear) are used for predicting a real value, like salary for example. If your independent variable is time, then you are forecasting future values, otherwise your model is predicting present but unknown values. Regression technique vary from Linear Regression to SVR and Random Forests Regression.

In this part, you will understand and learn how to implement the following Machine Learning Regression models:

1. Simple Linear Regression
2. Multiple Linear Regression
3. Polynomial Regression
4. Support Vector for Regression (SVR)
5. Decision Tree Classification
6. Random Forest Classification