

Activity 3

Unsupervised-learning

- **Git Repository**

<https://github.com/YoussefEzz/Unsupervised-learning>

- **Part 1 : Selecting and analyzing the datasets**

Since we do not want to give a priori more importance to some of the input variables w.r.t. the others, we should scale all of them to the same range of variation.

1. **A3-data.txt analyzed and preprocessed in A3-data.ipynb**

- i. **Features:** 4 variables(**x**, **y**, **z**, **t**) of type float, 1 class of type integer
- ii. **Patterns:** 360 patterns

Before preprocessing only feature **x** has values in range $[-1, 1]$

