

**Objective : perform data analysis**

Raw data

You have on “moodle” excel files containing raw data.

You can use them, modify them, add new ones, or select something completely different.

Work to do

You have to perform data analysis : “basic” data analysis, if possible and useful, or PCA.

Don't forget that even if you have one global set of initial raw data, several PCA can be performed. For instance, from the raw data that have been made available on moodle, you can study votes on “Présidentielles” 1<sup>st</sup> round, or try to correlate “Présidentielles” 2<sup>nd</sup> round with “Législatives”, or study “Présidentielles” together with socio-economical categories, ...

As soon as you have defined the process to run an analysis, for each study you will have to do the same thing starting from different raw data.

Environment / Tools

You can use excel + xlstat,

or R,

or something else (to be discussed).

Expected result

A report showing your study.

You shall not include in your report only the results, but also add the various steps of the work that you have done.

Of course, when sending your report, you will also attach to your email the files containing the raw data used by your data analysis tool.

How to work

Teams shall be defined. 8 teams for each group.

Group INT1 : 32 students = 8 teams (8x4)

Group INT2 : 33 students = 8 teams (7x4+1x5)

You will send your report to the following address : herve.barbot@efrei.fr

The deadline will be given later.

Defense sessions are planned in May/June.