Project Description

The aim of this project is to:

- Evaluate your analytics skills with R;
- Prepare you for your further real work.

Your topic should be related to Big Data Analytics with a Business/economics/finance interest.

The report should not have more than 15 pages, and should contain the following parts:

- Discovery: learn the business domain, assess the resources available to support the project, frame the business problem as an analytics challenge, formulate initial hypotheses to test.
- Data preparation: explain how you did the extract, load, and transform (ELT) or extract, transform and load (ETL) steps, to get your data.
- Model planning: explain and justify the choice of your methods, techniques. Describe how you learn about the relationships between variables, how you did the selection of key variables and the most suitable models.
- Model building / estimation: explain your estimation strategy and results.
- Communicate results: determine if the results of the project are a success or a failure, identify key findings, quantify the business value, and develop a narrative to convey findings to stakeholders.

Possible sources of datasets:

- Google Dataset Search: https://datasetsearch.research.google.com/
- Kaggle data science platform: https://www.kaggle.com/
- French OpenData initiative: https://www.data.gouv.fr/fr/
- World Bank Open Data - global development data: https://data.worldbank.org/
- EU Open Data portal : https://data.europa.eu/euodp/data/

Deathline: To be defined.