

Final assignment

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Problem description

Every year, the computational power increases by about 40%. Consequently, more and more amounts of data can be input into more and more sophisticated prediction models. Management, as an activity that greatly benefits from accurate predictions, will tend to co-evolve along with the increase in computational power.

Business analytics already pervades the management of organizations. In this context, you are challenged to solve a management problem by using business analytics tools.

You are free to choose a dataset from the Internet, which *must* be framed as corresponding to a management problem. Countless datasets abound, for instance, on [Kaggle](#). Afterward, you should solve the chosen problem by using the tools learned in the lectures.

Instructions

- Delivery date: 2022-06-05 (date of the exam), on Moodle.
- Oral presentation: to be yet scheduled.
- The assignment can be done by a group of up to 4 students. The limit of 4 students is *strict*.

Preparation of the material to be submitted

- A written report of up to 5 pages (inclusive and not counting the cover and annexes).
- Python code.
- Data.

Preparation of the presentation

- Maximum 10 slides (not counting the cover) (to be orally presented in 10 minutes)
- Structure of the presentation:
 - Aims of the work.
 - Business analytics tools used.
 - Expected implications and contributions.

Assessment

The criteria for assessment of the group work will be the following:

- Degree of originality.
- Degree of usefulness for the chosen organization.
- Appropriateness of the used business analytics tools.

- Quality of the presentation.
- Overall quality of the written report (structure, writing).