

Mini Project 2 Profiling IT Companies by Supervised Machine Learning

The **objective** of this assignment is experimenting with supervised machine learning methods and algorithms for regression and classification.

The **tasks** are the following:

1. Extend the companies' data, collected in Mini Project 1 with quantitative attributes describing the financial status and the human resources, available in public sources, like *proff.dk*.
2. Apply ML to discover any significant factors influencing the financial results of the companies and use them for modelling and predicting the profit of 2022.
3. Categorize the companies as Small, Middle, or Large according the accepted European standards. Apply ML to build a model for predicting the location of a new small company in 2023.

Finally, elaborate on the following questions related to the solution:

- Which methods and algorithms have you applied and why?
- Which were the challenges you experienced?
- How accurate is your solution?
- What else needs to be done for improvement of the accuracy of the solution?

Submit the solution in Peergrade by the 11th March and provide a review of one other solution by 13th March.

The solution brings ten study points to your collection.