

Company Bankruptcy Prediction – a Kaggle Competition

For the project, you are required to use the data provided at

<https://www.kaggle.com/fedesoriano/company-bankruptcy-prediction>

to predict company bankruptcy. You can use methods that you learned in our class to try your hands on this real life problem.

Tasks:

1. Split the data provided in the previous link into training, validation, and testing sets.
2. Analyze these data sets using different methods we learned in our class. You are expected to use at least **three** methods.
3. Report the performance (accuracy, F1-score, AUC) for each of your algorithms on the testing data.

Marking:

This project will be 25% of the course grade. This project will be marked using the F1-score, required by the Kaggle competition.

Report:

1. Submit a Zip file of your Python notebook or R script with sufficient comments on your methodology and results.
2. Submit a separate electronic PDF print out of your Python notebook or R script.
3. Submit these two files separately. Do not Zip them together.

Academic Integrity

You can use the codes provided in our course. Please use the appropriate referencing. However, you **cannot** use other codes found online, including codes provided in the Kaggle website above. Your submission will be compared with online material to check for similarity using plagiarism software.

In the end, the goal for this project is to sharpen your own skills!