



FCTUC FACULDADE DE CIÊNCIAS
E TECNOLOGIA
UNIVERSIDADE DE COIMBRA

Business Intelligence 2017
DEI, FCT, University of Coimbra

BI Project

Delivery #3: Data Mining

Data mining tools complement OLAP data analyses with descriptive and predictive capabilities. In this assignment you will prepare your dataset and use it for exploring two knowledge extraction techniques of your choice. But, one of the two choices must be a classification study and the other a different study like: clustering, association, time series analysis, etc.

You will have until the 17th of May to complete delivery #3. Thus, you must **prepare a presentation for this delivery** explaining your data preparation strategy, the algorithms you have chosen and the obtained results.

Deliverables and deadlines

1. Submit a .pdf file with the presentation in *Inforestudante* until the **17th of May** for delivery #3.
2. Deliver a 15 to 20 minutes presentation.

Objective and guidelines

The objective for each presentation is to describe the data mining approach you used. Thus, it is essential to:

1. Explain the objective of the study being done;
2. Present the source data model and identify the attributes being used;
3. Describe the data preparation activities;
4. Identify and justify the algorithm choice for each analysis;
5. Identify the software being used;
6. Discuss the results of the study.