Assignment Credit Scoring Course

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Project

Description: You work for a bank and are asked to build an application credit scorecard. Raw data is provided, both a (representative) sample of accepted applicants and a sample of rejected applicants, as well as a description of the data. There are several steps and decisions to be made in developing the scorecard, which must be reported upon allowing a colleague from the validation team to exactly understand what you have done, why you have made certain choices, etc.

Also, the scorecard itself should be presented and discussed, and clearly a thorough evaluation of the model is required. The bank needs the best possible scorecard, but does not exactly tells you how it defines 'best'. So, there as well you as a modeler will have to make choices with regards to what you find 'best' and motivate these choices towards your manager.

Deliverable: A report, describing the steps and choices you made in building the application scorecard, as well as discussing in detail the scorecard itself (also intermediate results are to be discussed). Include the code or screenshots of the miner (in appendix, or parts within text) and provide sufficient details for a colleague to be able replicating the process and make the same steps and choices you made. There is no maximum number of pages, but do try to be concise as well as complete in providing sufficient insight and detail.

Deadline: **May 15th, 2019, 14h.**

Recommendation: Try to display in the document technical mastering of the different steps, maturity in making choices with respect to data preprocessing and model building, and importantly also understanding of the exact application and insight in the results you obtain.

Numbered data sets (accepts and rejects) are provided, as well as a list with student names and the according data set number that you are expected to use in the project.

Hand-in

The report must be sent by email to wouter.verbeke@vub.be and sam.verboven@vub.be, and **include yourself in cc in order to be able to check whether your email arrived**.

Enjoy!