

Constructor University

Data Mining - MDE-BSC-01

**Academic Lecturer:** Dr. A. Schelle

# Project Proposal

*Definition of a generative topic for the project in the lecture series on Data Mining in the spring semester of 2025.*

The project aims to work out a business report related to a specific business question based on your own predictive and generative business analytics data model. To this end, each course participant shall start defining a specific business case of her/his subject area of interest for which data is to be acquired as a first step of the project. Understanding the idea of the business case and the predictive model to be developed, the focus shall be put on developing an artificial intelligence model to predict business data from generative data modeling.

To follow a definite strategy for the model development, the scheme of data science lifecycles shall be applied such as to develop the business model focusing on a specific business question and to report from the workout of the subsequent process steps in a structured way.

In the framework of *Data Mining*, the content should concentrate on predictive and generic data modeling in the context of classification, clustering, and regression methods known from the framework of Python Programming Language.

*Scheduled dates for the lectures are available at the Constructor Learning Area @ <https://campusnet.constructor.university/>.*

**The deadline for project submission (per email) is 31.05.2025.**

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