The Data Science Canvas

Date:	**Attendees:**
Project:	**Resulting Tasks:**

Problem Statement

Business Case & Value Added

Which business case should be analyzed and what added value does it generate?

Model Selection

Which analysis methods can be considered on the basis of the specific data landscape and the business case?

Model Requirements

Which model requirements must be complied with in order to obtain a valid model?

Skills

What skills are needed to provide the data and model development?

Data Landscape

Which data is required for this and which is already available? Which additional data has to be collected?

Software & Libraries

Which software should be used? Is there already a standard solution? Which libraries are used?

Execution & Evaluation

Model Evaluation

Which indicators require quality control and validation and how should they be interpreted? Is real-time monitoring necessary?

Data Storytelling

What requirements does the target group have for the presentation of the results and how do I effectively communicate this data?

Data Collection & Evaluation

Data Selection & Cleansing

Which of the available data is relevant? Do the data have to be cleaned up?

Data Collection

How and with which methods should additionally required data be collected? What properties has this data to fulfil?

Data Integration

In which system should the data from different sources be migrated?

Explorative Data Analysis

Are there outliers or structures to be considered? Creation of descriptive key figures for the first assessment of the data.

Costs

What are the cost categories? How high will the costs be?

Revenues

How can the model generate revenue? Does the project reduce costs?

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