DATA PROCESSING ANALYZER

Name of DDI:

Date: /   /

Perception

- How can you extract information from unstructured data, such as image and video data or text and speech data?
- How can you handle time-series data from sensors?
- How can you combine and aggregate the various data sources?
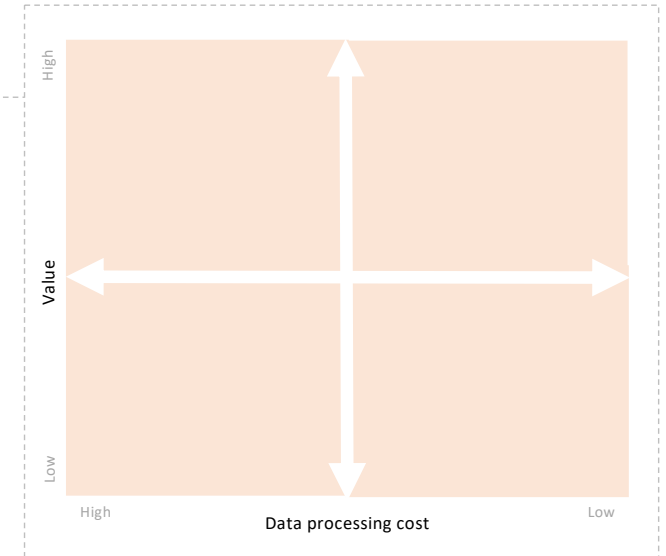
Cognition

- How can you generate new data / information / insights based on the available data? How can you generate insights from data?
- How can you draw conclusions / set up hypotheses from prior knowledge?
- Which software/hardware is used to analyze the data? Do you have the required (training) data in place?

Knowledge Graph and Semantic Processing

- How can you semantically enrich your data sources by linking context or background information?

Data Storage / Management

- How can you effectively manage and storage your the data sources?
- Who is taking care & responsibility for the data in a managed storage (in accordance to the data processing requirements)?

High

Value

Low

High   Data processing cost   Low

Summary / Next steps

// OBJECTIVES

Explore and analyze all data processing steps needed to transform the available data sources into valuable assets with appropriate data quality

// OUTCOME

A comprehensive list of all data processing steps required per data source including the estimated efforts that are needed to reach the envisioned data quality

// WHEN TO APPLY

Use this tool to explore your necessary investments / resources for getting access to all required data sources for your data driven innovation

Data Processing Exploration