Problem Overview

Situation / Problem / Goal:

What do they want to accomplish, i.e.,
what problem do they want to solve /
what situation do they want to improve?

picture (optional)

Value Generation:

process improvement (reduce costs)

new product / feature / service (increase revenue)

Solution Outline

Inputs:

- ☐ (numeric) values: _____
- ☐ image
- ☐ text
- ☐ other: (e.g., audio, video)

1 Data Point: What is one unit / observation, for which they have these measurements?

ML Solution & Output:

- ☐ Dimensionality Reduction: **2D coordinates**
- ☐ Outlier Detection: **anomaly score**
- ☐ Clustering: **cluster index**
- ☐ Regression: **continuous value:** _____
- ☐ Classification: **discrete value (e.g., yes/no):** _____
- ☐ Recommender Systems/Information Retrieval: **ranking of items**
- ☐ Deep Learning: **other (e.g., image, text, …):** _____

Additional Steps?

- ☐ Explain predictions (e.g., to identify root causes)
- ☐ Use model in optimization (to find optimal inputs)