1. Problem Understanding

- Have I clearly defined the business problem and success metrics?

2. Data Exploration

- Did I inspect data shape, types, missing values, and basic statistics?

- Did I visualize key features and their relationships?

3. Data Cleaning

- Have I handled missing values appropriately?

- Did I detect and treat outliers if any?

4. Feature Engineering

- Have I created or transformed features based on domain knowledge or data insights?

- Are my features relevant and interpretable?

5. Data Splitting

- Have I properly split data into train/test sets with stratification if needed?

6. Baseline Model

- Did I build a simple baseline model to benchmark performance?

7. Model Improvement

- Have I tried advanced models or tuning to improve performance?

8. Evaluation

- Did I use business-relevant metrics (recall, precision, ROC-AUC) beyond accuracy?

- Have I examined confusion matrices and model weaknesses?

9. Explanation

- Have I identified and communicated key feature impacts clearly?

- Did I check for bias or interpretability concerns?

10. Documentation & Communication

- Is my code well-commented and understandable?

- Did I prepare clear summaries and visualizations to explain my work?