

Here is the checklist for developing and reviewing Artificial Intelligence - Machine Learning software:

Data Management

Requirements Capture

Requirement	Yes/No
Identify objectives to be satisfied at individual data point level	✓
Determine data sets used in project development lifecycle	✓
Capture requirements for AI/ML constituent	✓

Data Collection

Requirement	Yes/No
Collect relevant data points	✓
Ensure independence between data sets	✓
Verify accuracy, completeness, and representativeness of data sets	✓

Data Labelling (Supervised Learning only)

Requirement	Yes/No
Label data points for training, validation, and test sets	✓

Data Preparation

Requirement	Yes/No
Pre-process data	✓
Transform data	✓
Perform feature engineering	✓

AI/ML Constituent Architecture Development

Requirement	Yes/No
Develop AI/ML constituent architecture based on ConOps and OD	✓

Requirements Validation

Requirement	Yes/No
Validate AI/ML constituent requirements for safety, information security, functional, operational, and non-functional aspects	✓

Let me know if you need anything else!