

Here is the generated checklist:

EASA Concept Paper: Guidance for Level 1 & 2 Machine Learning Applications

Trustworthiness Analysis

- Has a trustworthiness analysis been performed for this application?
 - ☐ Yes
 - ☐ No

Data Management

- Are data management requirements captured for each individual data point?
 - ☐ Yes
 - ☐ No
- Is data collection complete and thorough?
 - ☐ Yes
 - ☐ No
- Are data labels accurate and consistent (only applicable to supervised learning)?
 - ☐ Yes
 - ☐ No
- Has data preparation been performed, including pre-processing, data transformation, and feature engineering?
 - ☐ Yes
 - ☐ No
- Are the various data sets used in the learning phase (training, validation, and test) identified?
 - ☐ Yes
 - ☐ No
- Have the data sets been verified for accuracy, completeness, and representativeness with respect to the ML requirements and AI/ML constituent ODD?
 - ☐ Yes
 - ☐ No
- Are independence requirements between data sets met?
 - ☐ Yes
 - ☐ No

- Has unwanted bias inherent to the data sets been identified and eliminated?
 - ☐ Yes
 - ☐ No

Learning Strategies

- Is the learning strategy supervised, unsupervised, or reinforcement?
 - ☐ Supervised
 - ☐ Unsupervised
 - ☐ Reinforcement
- Has the learning algorithm processed the input data set?
 - ☐ Yes
 - ☐ No
- Does a cost function measure the difference between the ML model output and expected output (labels in the data sets)?
 - ☐ Yes
 - ☐ No
- Are the ML model parameters adjusted to increase the accuracy of the ML model?
 - ☐ Yes
 - ☐ No