

Here is the generated checklist:

Identity and Purpose

LM-03: Credit Sought from Training Environment

- Is the credit sought from the training environment documented?
☐ YES / NO
- Has the training environment been qualified accordingly?
☐ YES / NO

LM-04: Quantifiable Generalisation Bounds

- Are quantifiable generalisation bounds provided?
☐ YES / NO

LM-05: Model Training Result

- Is the result of model training documented?
☐ YES / NO

LM-06: Model Optimisation

- Has any model optimisation been performed (e.g. pruning, quantisation)?
☐ YES / NO
- Is the impact of model optimisation on model behaviour or performance assessed?
☐ YES / NO

LM-07-SL: Bias-Variance Trade-off

- Is the bias-variance trade-off accounted for in model family selection?
☐ YES / NO
- Is evidence provided of reproducibility of model training process?
☐ YES / NO

LM-08: Model Performance Metrics

- Are the estimated bias and variance of the selected model documented?
☐ YES / NO
- Do the estimated bias and variance meet the associated learning process management requirements?

☐ YES / NO

LM-09: Model Verification

- Has an evaluation of the performance of the trained model been performed based on test data set?

☐ YES / NO

- Is the result of model verification documented?

☐ YES / NO

LM-10: Requirements-Based Verification

- Has requirements-based verification of the trained model behaviour been performed?

☐ YES / NO

LM-11: Stability Analysis

- Has an analysis on the stability of the learning algorithms been performed?

☐ YES / NO

LM-12: Model Stability Verification

- Has verification of the stability of the trained model been performed, covering the whole AI/ML constituent ODD?

☐ YES / NO