

Checklist Reproducibility

Method:

- ☐ Problem stated
- ☐ Objective/Goal described
- ☐ Research method & Algorithms stated
- ☐ Research question formulated
- ☐ Code example or pseudo code

Data:

- ☐ Training data provided
- ☐ Validation data provided
- ☐ Test data provided
- ☐ Data of results provided
- ☐ Findable data & metadata
- ☐ Accessible data
- ☐ Referencing of data
- ☐ Sufficient metadata for reusability

Experiment:

- ☐ Investigation of hypothesis
- ☐ Prediction/Results given
- ☐ Hardware specifications
- ☐ Software specifications
- ☐ Open hardware used
- ☐ Open-source software without licensing used
- ☐ Hardware setup explained
- ☐ Software dependencies stated
- ☐ Hyperparameters & Pipelines documented
- ☐ List of parameters with results
- ☐ Seed of random module set for repeatability
- ☐ Parameters used instead of hardcoded/magic numbers in (YAML) configuration files
- ☐ Version Control implemented
- ☐ Code testing (from smoke and unit tests to test-driven development)
- ☐ Notes/comments on how to use code & reasons behind decisions taken
- ☐ GitHub repository setup
- ☐ Containerization

Miscellaneous:

- ☐ Findability of the study
- ☐ Is it accessible for everyone?
- ☐ Affiliation is stated
- ☐ Research type explained (Experimental/Theoretical)
- ☐ Research Outcome described (positive/negative)
- ☐ Research contribution provided
- ☐ Referenced and DOI Link given