The Machine Learning Reproducibility Checklist (Version 1.2, Mar.27 2019)

For all **models** and **algorithms** presented, check if you include:

☒ A clear description of the mathematical setting, algorithm, and/or model.

☐ An analysis of the complexity (time, space, sample size) of any algorithm.

☒ A link to a downloadable source code, with specification of all dependencies, including external libraries.

For any **theoretical claim**, check if you include:

☐ A statement of the result.

☐ A clear explanation of any assumptions.

☐ A complete proof of the claim.

For all **figures** and **tables** that present empirical results, check if you include:

☒ A complete description of the data collection process, including sample size.

☒ A link to a downloadable version of the dataset or simulation environment.

☒ An explanation of any data that were excluded, description of any pre-processing step.

☒ An explanation of how samples were allocated for training / validation / testing.

☒ The range of hyper-parameters considered, method to select the best hyper-parameter configuration, and specification of all hyper-parameters used to generate results.

☒ The exact number of evaluation runs.

☒ A description of how experiments were run.

☒ A clear definition of the specific measure or statistics used to report results.

☐ Clearly defined error bars.

☒ A description of results with central tendency (e.g. mean) & variation (e.g. stddev).

☒ A description of the computing infrastructure used.

Reproduced from: *www.cs.mcgill.ca/~jpineau/ReproducibilityChecklist.pdf*

Figure 9: The Machine Learning Reproducibility Checklist, version 1.2, used during the NeurIPS 2019 review process.