Paper Validation Report for GAN_MFS

Correspondence: Yes
Percentages: 90.0%

Conclusion:

The codebase closely implements the methods, models, and algorithms described in the paper. It includes WGAN-GP with a meta-feature statistics loss, standard baselines (CTGAN, vanilla WGAN-GP), statistical and geometric meta-feature extraction, and evaluation on specified datasets (Abalone, California housing, synthetic toy data including Gaussian blobs and arcs). The core experimental procedures (training, synthetic data generation, downstream regression, and evaluation metrics such as Wasserstein distance, correlation/covariance, JS divergence, and regression utility metrics) are present. Some small experimental details or full reproduction of all figures/tables (e.g., precise plotting scripts or table generation code) may be missing or modularized, preventing a perfect score, but the repository provides substantial support for reproducing the reported results.