Paper Validation Report

for Air-quality-AutoMLs

Correspondence: Yes
Percentages: 92.0%

Conclusion:

The repository closely implements the methods and procedures described in the paper: time series forecasting for air quality (specifically MP10 pollutant) using ML (linear regression), baselines (moving average, naive), and automated ML (FEDOT AutoML, AutoGluon, Chronos, AutoNBEATS), all over real environmental data from Vitória, Brazil. Evaluation metrics (MAE, RMSE/MSE), station-specific experiments, and baseline and advanced modeling comparisons are present and consistent with the paper. Data processing, visualization, and result export scripts are included. While the code supports most paper claims, exact numerical outcomes or final paper-ready tables/figures are not directly shown, and some utility scripts (e.g., for exploratory data analysis, optimal parameter search) may be externally referenced or less explicit. Thus, there is substantial compliance, with only minor limitations.