

PDM Benchmark

Initializing application...

Select Page

- Dataset Visualization
- Model Training
- Results Analysis

Configuration

Select Datasets

CQU Gearbox CWRU Electric Motor

PDM Benchmark Tool v1.0

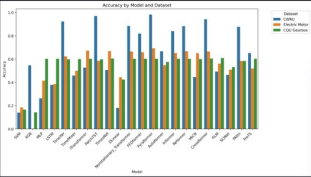
(a)

Results Analysis and Leaderboard

All Metrics View Leaderboard

Performance Metrics Across All Models

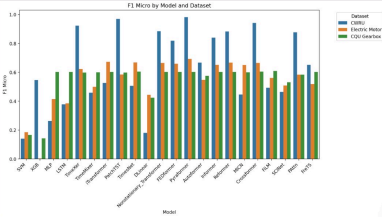
Accuracy



model	CQU Gearbox	CWRU	Electric Motor
LSTM	0.6024	0.3785	0.3854
MICN	0.6	0.4465	0.6509
MLP	0.6024	0.2632	0.4146
Nonstationary	0.6024	0.8844	0.685
PatchTST	0.5976	0.9694	0.5843
Pyraformer	0.6024	0.9819	0.6927
Reformer	0.6024	0.8828	0.6677
SCINet	0.531	0.4643	0.5092
SVM	0.1667	0.1402	0.1851
TimeMixer	0.6	0.4465	0.6509

(b)

F1 Micro



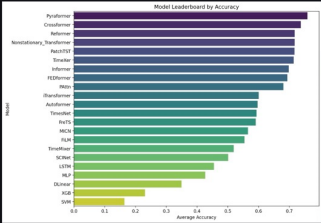
model	CQU Gearbox	CWRU	Electric Motor
Autoformer	0.5762	0.6671	0.5474
Crossformer	0.6048	0.9422	0.6654
DLinear	0.4238	0.1806	0.4444
FEDformer	0.6024	0.8185	0.6599
FILM	0.6095	0.4929	0.5609
FreTS	0.6024	0.6517	0.519
Informer	0.6024	0.8407	0.6516
LSTM	0.6024	0.3785	0.3854
MICN	0.6	0.4465	0.6509
MLP	0.6024	0.2632	0.4146

(c)

All Metrics View Leaderboard

Overall Model Leaderboard

Accuracy Leaderboard



	Model	Accuracy (Avg)	Accuracy (Std)	Number of Datasets
0	Pyraformer	0.759	0.1982	3
1	Crossformer	0.7375	0.1799	3
2	Reformer	0.7176	0.1467	3
3	Nonstationary	0.7173	0.1481	3
4	PatchTST	0.7171	0.2186	3
5	TimeXer	0.7145	0.1811	3
6	Informer	0.6982	0.1258	3
7	FEDformer	0.6936	0.1119	3
8	PatchTST	0.681	0.1694	3
9	iTransformer	0.6006	0.0732	3