

A: Neural Network



B: Prophet



C: ETS



D: SARIMA



E: Hybrid



F: Bayesian Structural



Fitted Forecasted Observed

G : RMSE of Models

Method	Train	Test	All
Neural Network	348.16	358.37	350.03
Prophet	399.29	294.71	383.84
ETS	427.04	270.56	405.17
SARIMA	435.04	371.82	425.15
Hybrid*	355.25	268.64	341.14
Bayesian Structural	520.21	512.20	518.89

\*Hybrid: Combined SARIMA, ETS, STL and Neural Network model

H : SMAPE of Models

Method	Train	Test	All
Neural Network	10.24	20.09	12.03
Prophet	12.06	16.93	12.87
ETS	10.13	13.76	10.74
SARIMA	11.06	17.34	12.11
Hybrid*	9.49	13.94	10.30
Bayesian Structural	14.85	30.75	17.50

\*Hybrid: Combined SARIMA, ETS, STL and Neural Network model

I : MASE of Models

Method	Train	Test	All
Neural Network	1.89	28.85	2.43
Prophet	0.93	1.21	1.35
ETS	0.87	2.46	1.35
SARIMA	1.31	2.97	1.43
Hybrid*	0.76	2.68	1.43
Bayesian Structural	1.14	2.36	1.11

\*Hybrid: Combined SARIMA, ETS, STL and Neural Network model

J : R-squared of Models

Method	Train	Test	All
Neural Network	0.79	0.18	0.80
Prophet	0.86	0.14	0.87
ETS	0.85	0.05	0.86
SARIMA	0.84	0.01	0.85
Hybrid*	0.79	0.02	0.80
Bayesian Structural	0.81	0.03	0.82

\*Hybrid: Combined SARIMA, ETS, STL and Neural Network model