

A: Neural Network



B: ETS



C: ARIMA



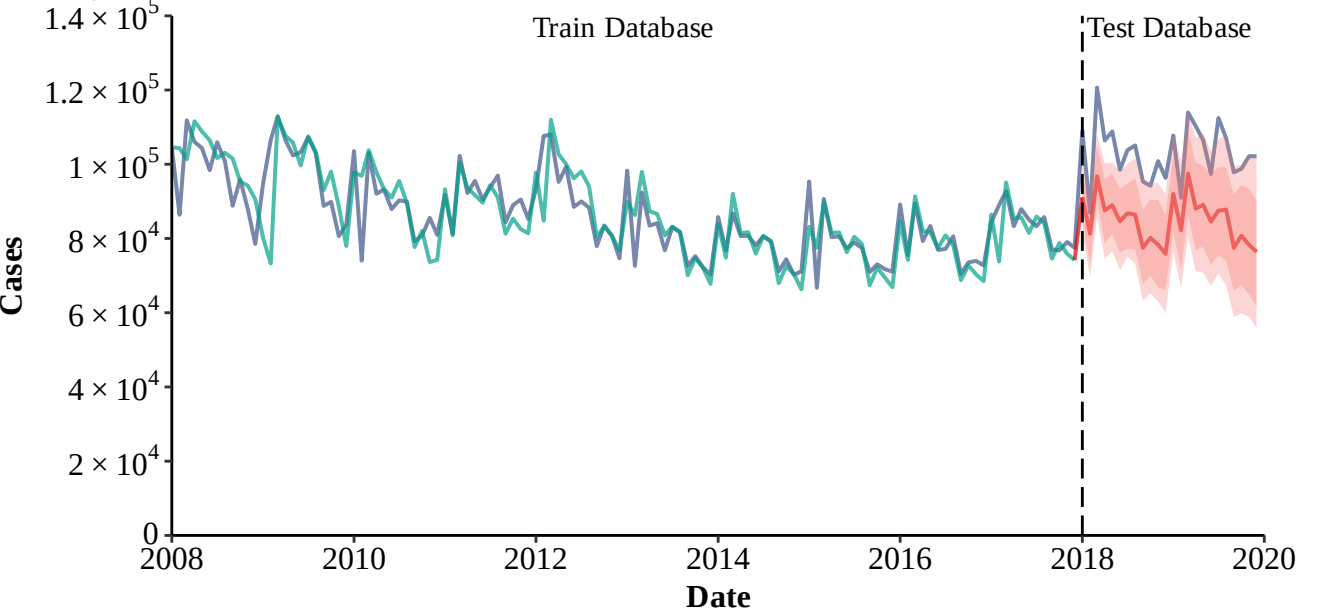
D: SARIMA



E: Hybrid



F: Bayesian Structural



— Fitted — Forecasted — Observed

H : RMSE of Models

Method	Train	Test	Train and Test
Neural Network	673.41	16752.65	7169.28
ETS	4885.63	18807.29	8879.38
ARIMA	7765.96	24299.45	12192.99
SARIMA	4861.50	26811.56	11811.23
Hybrid*	3648.76	21945.50	9922.57
Bayesian Structural	6659.58	18768.30	9780.93

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

I : R-squared of Models

Method	Train	Test	Train and Test
Neural Network	1.00	0.01	0.70
ETS	0.80	0.50	0.52
ARIMA	0.51	0.00	0.15
SARIMA	0.82	0.41	0.31
Hybrid*	0.87	0.49	0.43
Bayesian Structural	0.68	0.61	0.46

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

J : MAE of Models

Method	Train	Test	Train and Test
Neural Network	508.52	15003.31	3143.93
ETS	3228.79	18009.77	5692.29
ARIMA	5939.56	23074.19	8795.33
SARIMA	3253.86	25995.81	7044.18
Hybrid*	2361.65	21244.56	5794.91
Bayesian Structural	4277.82	18158.14	6591.20

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