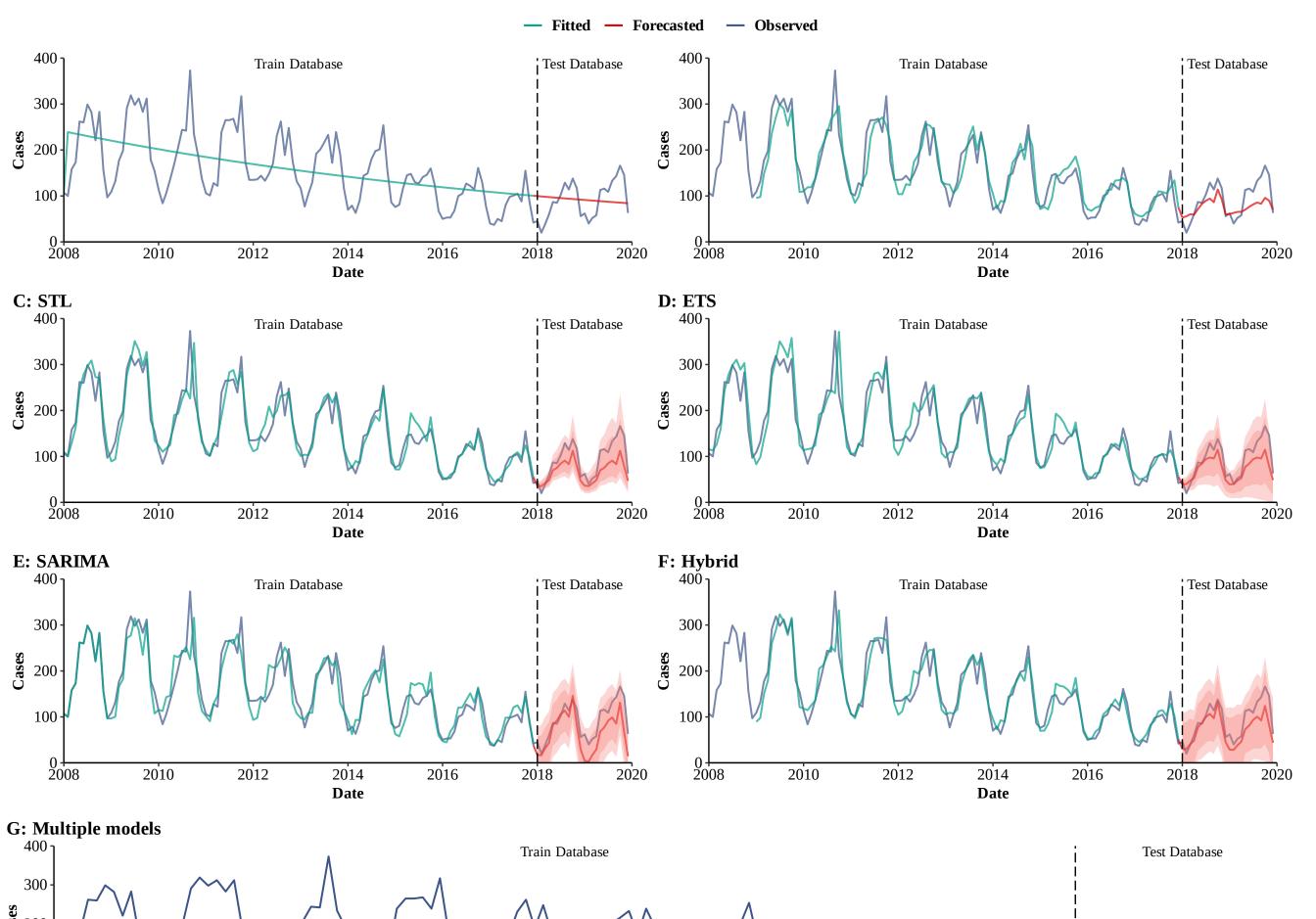
B: Neural Network



Cases 200 100 0 ↓ 2008 2010 2012 2014 2016 2018 Date

H: RMSE of Models

Method	Train	Test	Train and Test
Grey Model	61.80	42.70	59.05
Neural Network	28.28	31.80	28.95
STL	26.98	31.43	27.77
ETS	29.77	27.48	29.40
SARIMA	29.28	34.31	30.18
Hybrid*	26.17	26.40	26.21

I: R-squared of Models

Method	Train	Test	Train and Test
Grey Model	0.31	0.27	0.37
Neural Network	0.85	0.75	0.84
STL	0.87	0.87	0.87
ETS	0.86	0.84	0.86
SARIMA	0.85	0.74	0.85
Hybrid*	0.87	0.83	0.87

— ETS — Hybrid — Observed — SARIMA — STL

J: MAE of Models

Method	Train	Test	Train and Test
Grey Model	50.82	37.86	48.66
Neural Network	21.81	25.32	22.45
STL	18.55	25.95	19.78
ETS	20.71	21.35	20.81
SARIMA	20.40	28.31	21.72
Hybrid*	18.37	21.14	18.87

2020

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

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