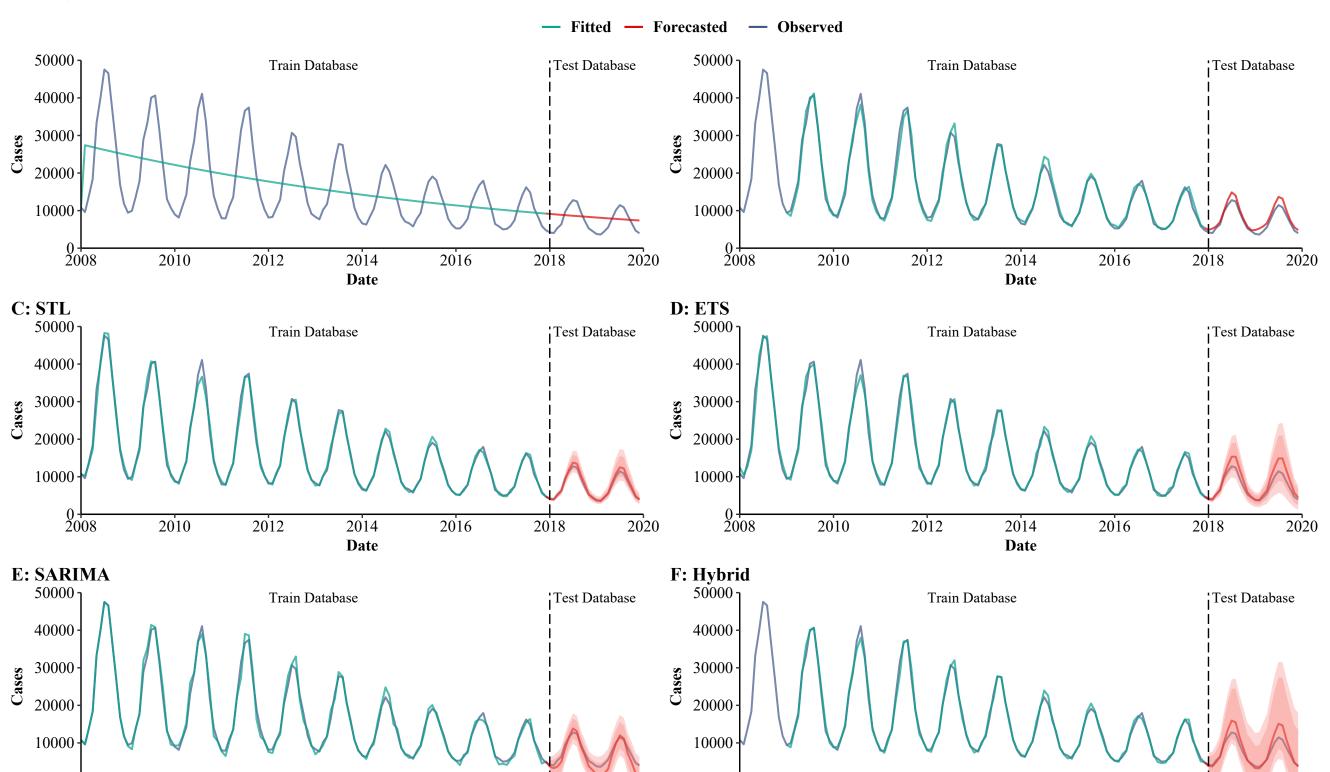
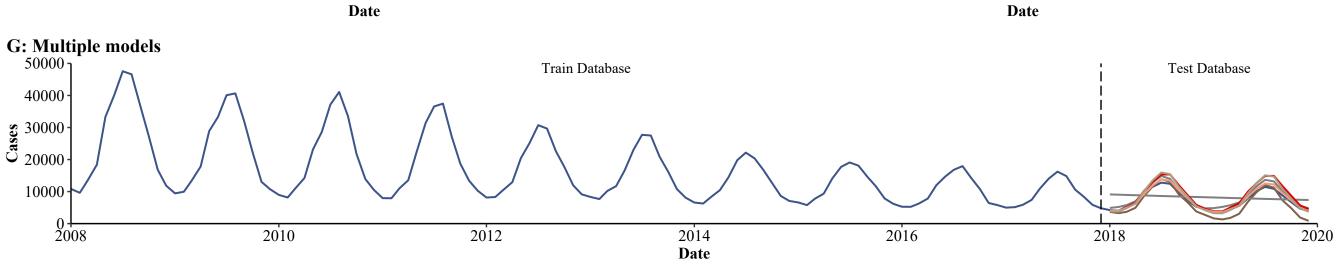
## B: Neural Network





— ETS — Hybrid — Observed — SARIMA — STL

2020

0 <del>|</del> 2008

2010

2012

## H: RMSE of Models

2008

2010

2012

2014

2016

2018

Method	Train	Test	Train and Test
Grey Model	8745.87	3190.99	8089.44
Neural Network	1247.67	1221.97	1243.03
STL	1014.95	600.90	958.44
ETS	1160.26	1822.96	1294.49
SARIMA	1195.12	1603.96	1272.42
Hybrid*	968.72	1728.03	1144.87

\*Hybrid: Combined SARIMA, ETS, STL

and Neural Network model

I: R-squared of Models

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Method	Train	Test	Train and Test
Grey Model	0.27	0.00	0.35
Neural Network	0.98	0.98	0.98
STL	0.99	0.99	0.99
ETS	0.99	0.97	0.98
SARIMA	0.99	0.98	0.99
Hybrid*	0.99	0.98	0.98
21 11 11 11 1		0.50	

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

## J: MAE of Models

2014

2016

2018

2020

Method	Train	Test	Train and Test
Grey Model	7240.35	2878.79	6513.43
Neural Network	901.71	1077.14	933.61
STL	684.64	461.12	647.39
ETS	817.33	1379.17	910.97
SARIMA	843.19	1359.60	929.26
Hybrid*	672.52	1242.92	776.23