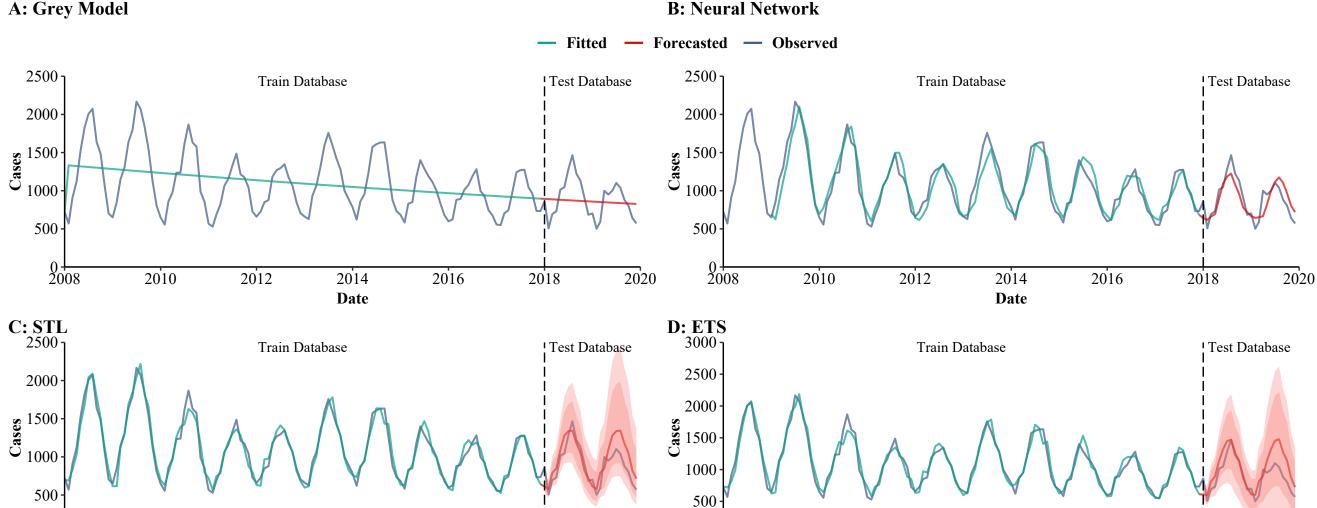
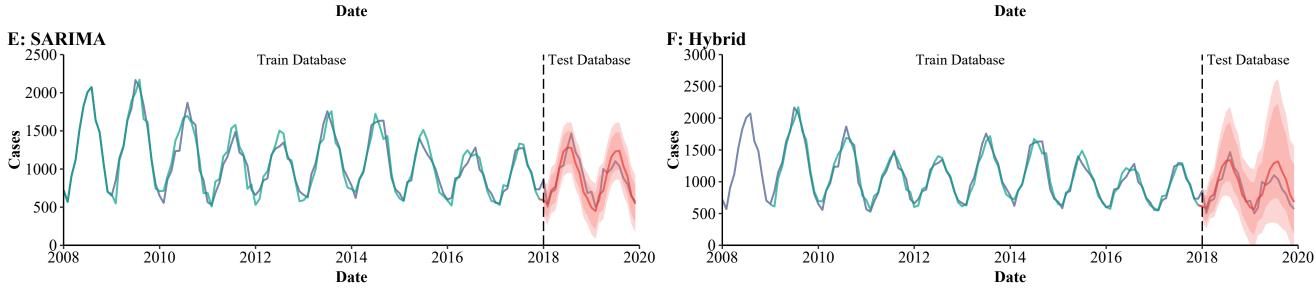
2016

2018





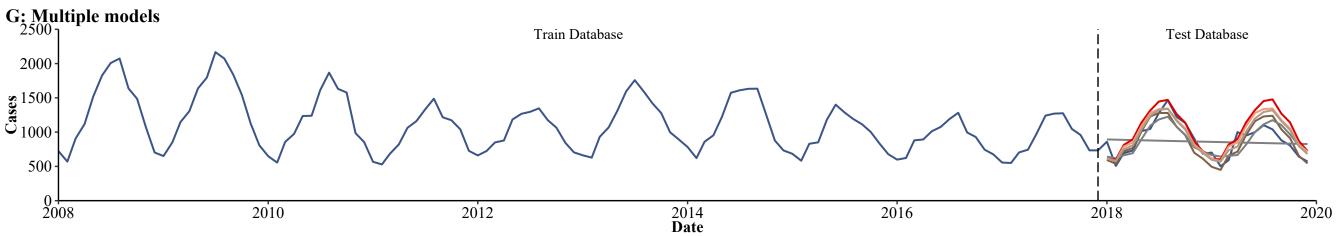
2020

0+ 2008

2010

2012

2014



— ETS — Hybrid — Observed — SARIMA— STL

H: RMSE of Models

0 1 2008

2010

2012

2014

Method	Train	Test	Train and Test
Grey Model	365.80	248.72	349.03
Neural Network	128.41	145.64	131.71
STL	87.18	171.38	105.96
ETS	95.59	214.89	123.74
SARIMA	103.93	143.24	111.45
Hybrid*	89.45	152.69	103.85

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

I: R-squared of Models

Method	Train	Test	Train and Test
Grey Model	0.11	0.02	0.14
Neural Network	0.88	0.66	0.86
STL	0.95	0.69	0.92
ETS	0.94	0.69	0.90
SARIMA	0.93	0.73	0.92
Hybrid*	0.94	0.71	0.92

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

J: MAE of Models

Method	Train	Test	Train and Test
Grey Model	302.41	210.73	287.13
Neural Network	100.52	121.93	104.42
STL	67.47	149.72	81.18
ETS	73.96	176.72	91.09
SARIMA	77.64	114.48	83.78
Hybrid*	69.33	130.95	80.53

2016

2018

2020