A: Grey Model

B: Neural Network

Legend: Fitted — Forecasted — Observed
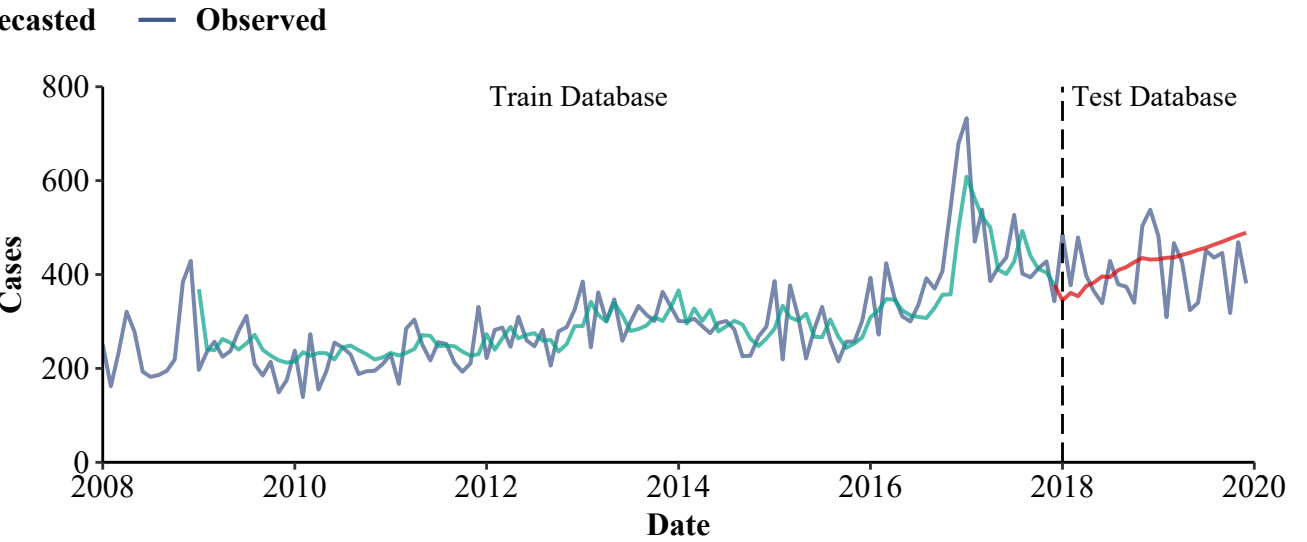
C: STL
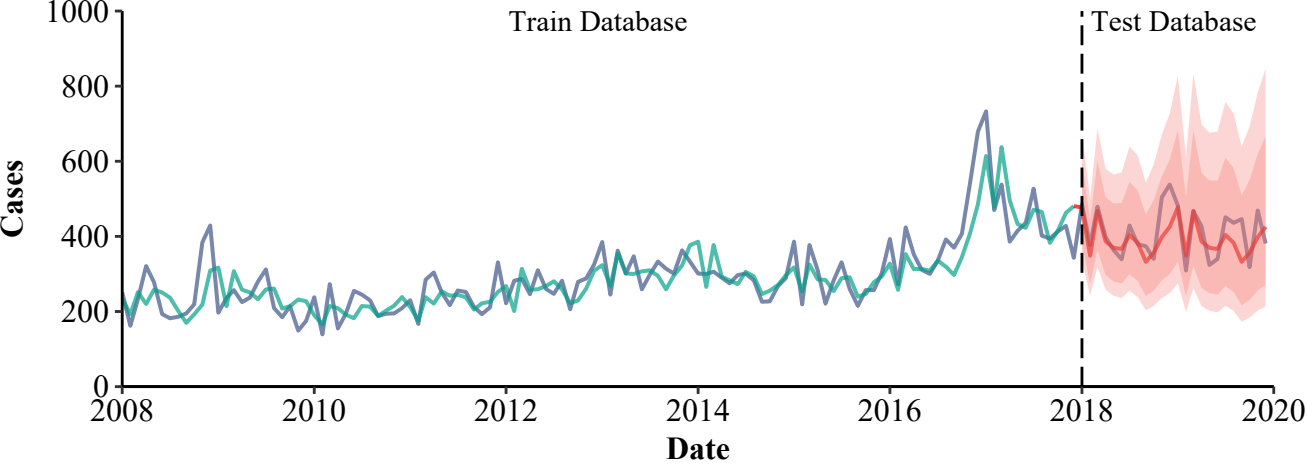
D: ETS
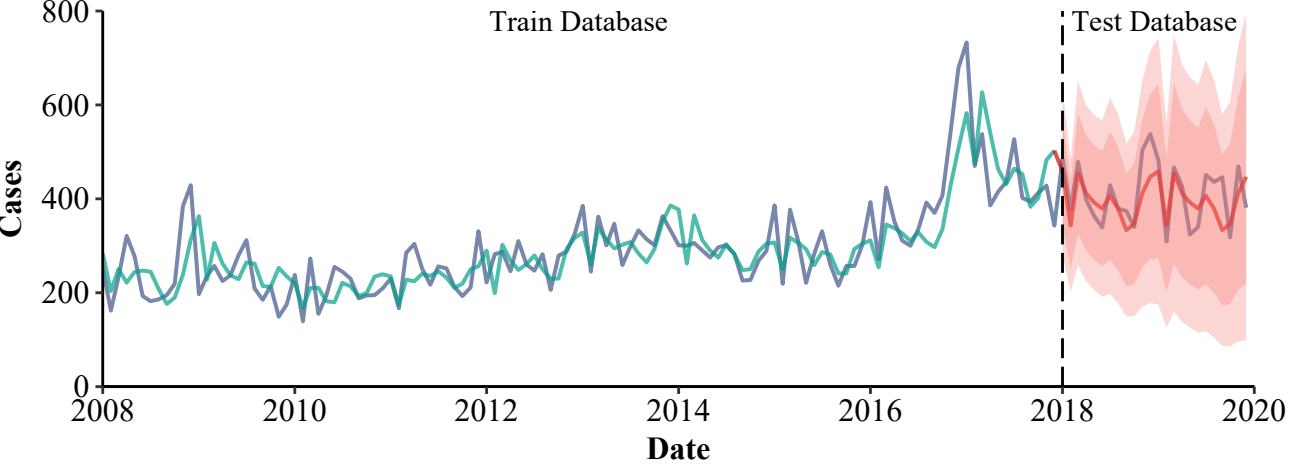
E: SARIMA

F: Hybrid

G: Multiple models

Legend: ETS — Hybrid — Observed — SARIMA — STL
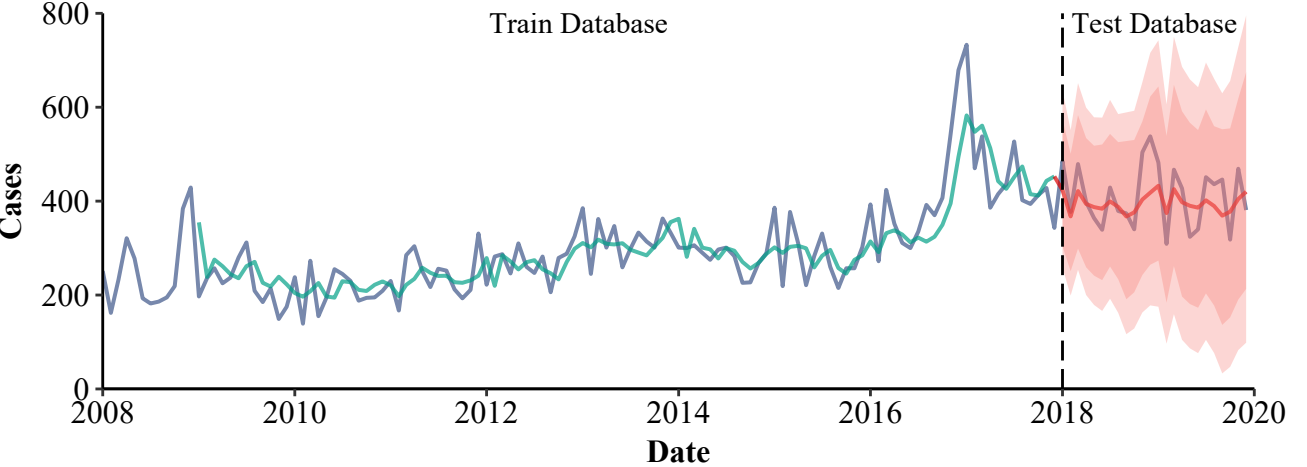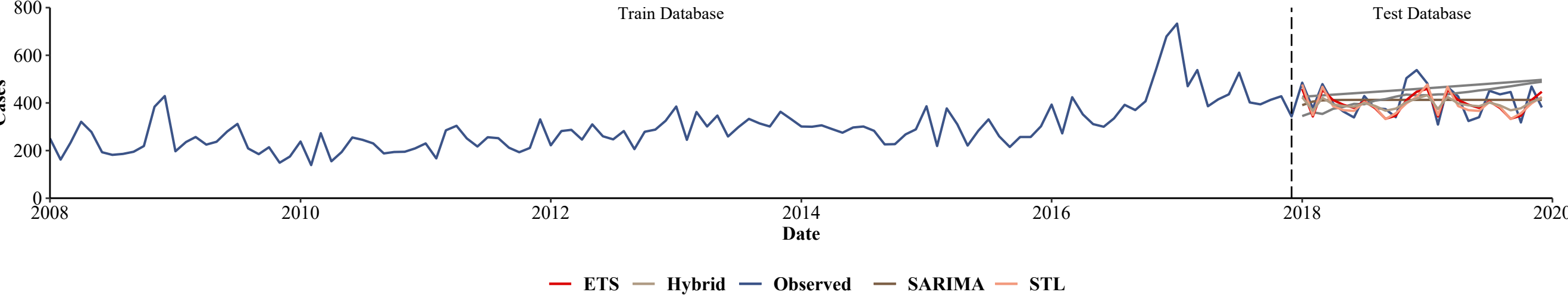
H : RMSE of Models

Method	Train	Test	Train and Test
Grey Model	72.96	85.10	75.12
Neural Network	58.46	79.77	62.87
STL	53.74	50.38	53.20
ETS	56.70	49.40	55.55
SARIMA	65.48	65.44	65.47
Hybrid*	54.19	54.79	54.30

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

I : R-squared of Models

Method	Train	Test	Train and Test
Grey Model	0.44	0.00	0.49
Neural Network	0.65	0.01	0.63
STL	0.70	0.46	0.74
ETS	0.67	0.46	0.71
SARIMA	0.56	0.05	0.60
Hybrid*	0.70	0.48	0.72

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

J : MAE of Models

Method	Train	Test	Train and Test
Grey Model	49.98	71.14	53.50
Neural Network	45.04	64.31	48.55
STL	39.98	38.46	39.72
ETS	42.19	40.72	41.94
SARIMA	47.99	57.77	49.62
Hybrid*	40.70	47.31	41.90

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