A: Grey Model

B: Neural Network
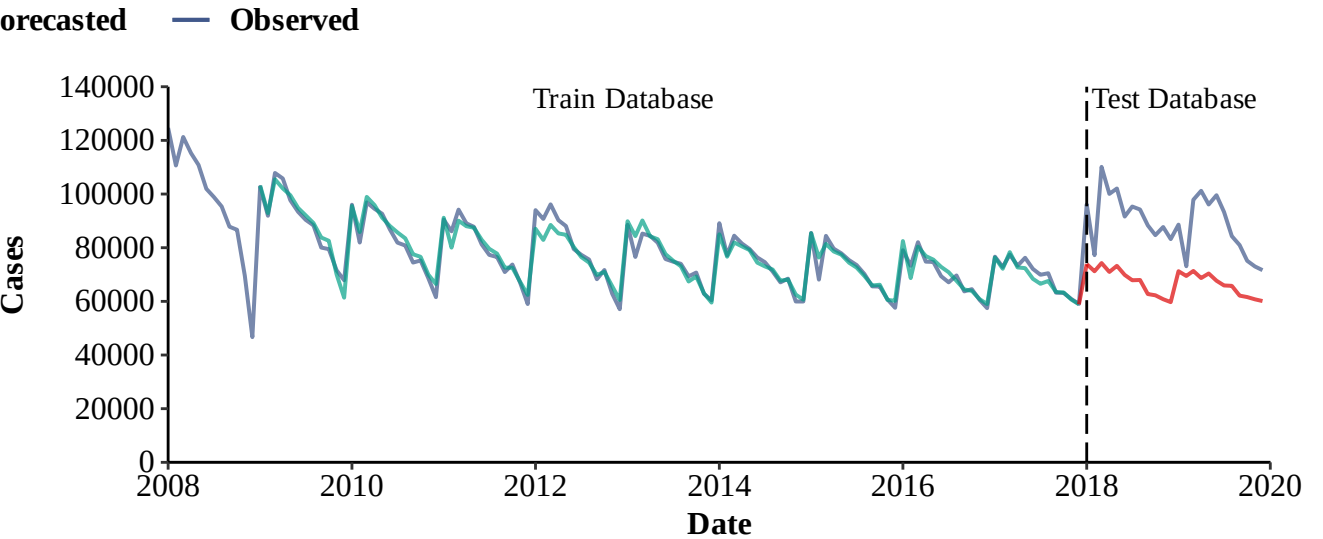
C: STL
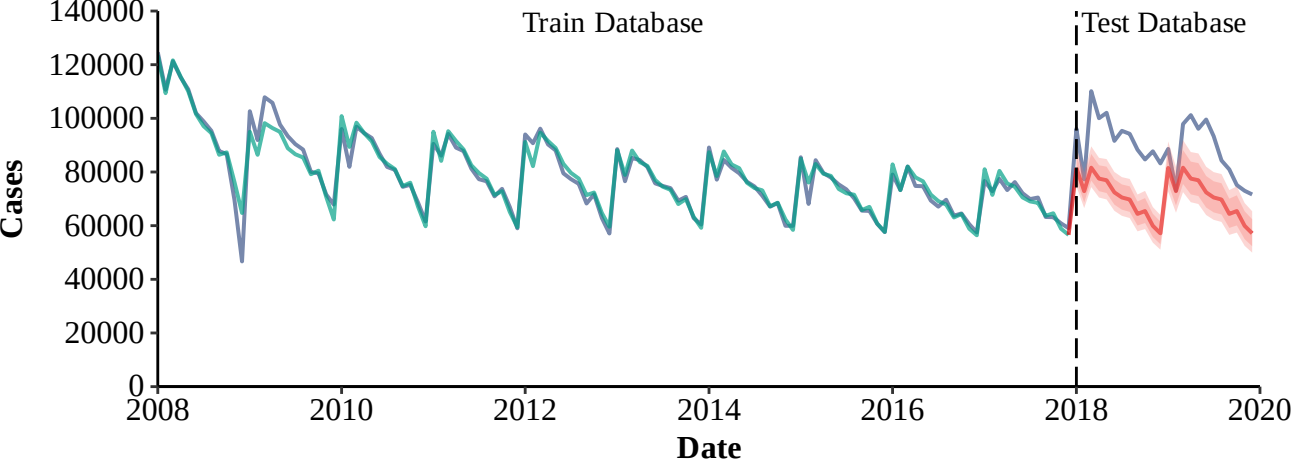
D: ETS
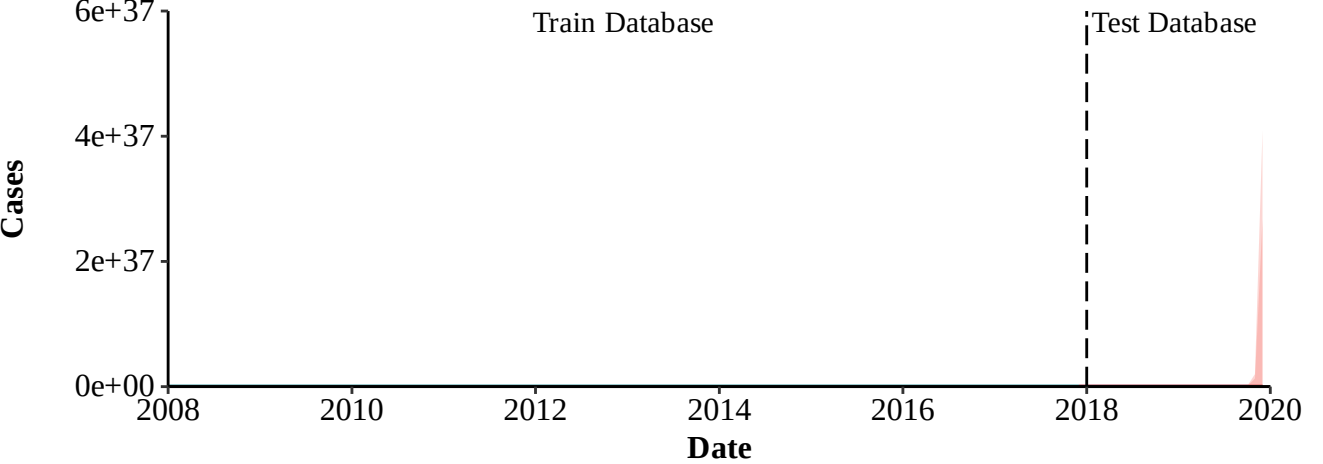
E: SARIMA

F: Hybrid

G: Multiple models

Legend: Fitted — Forecasted — Observed

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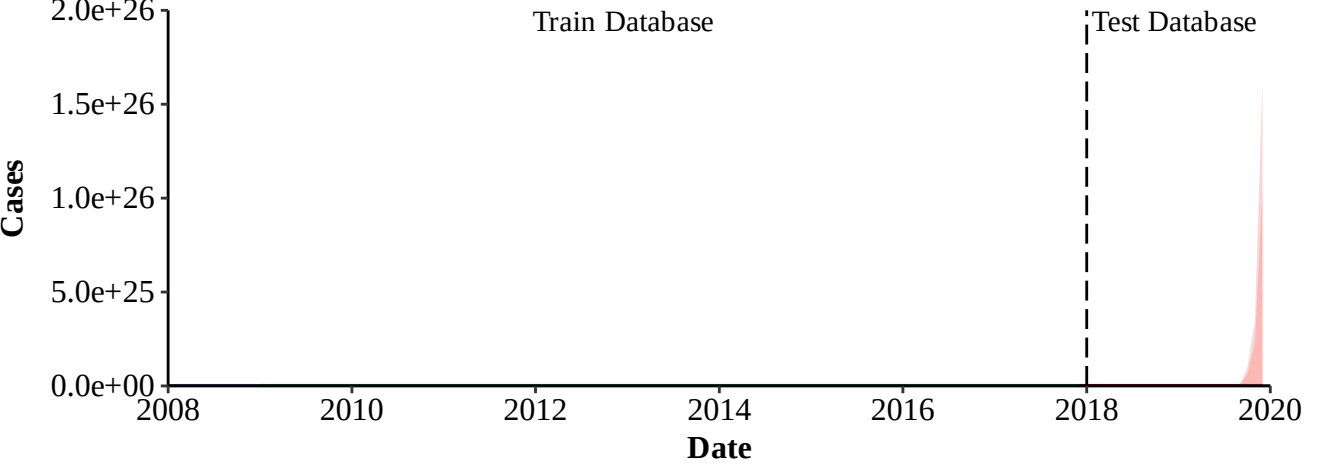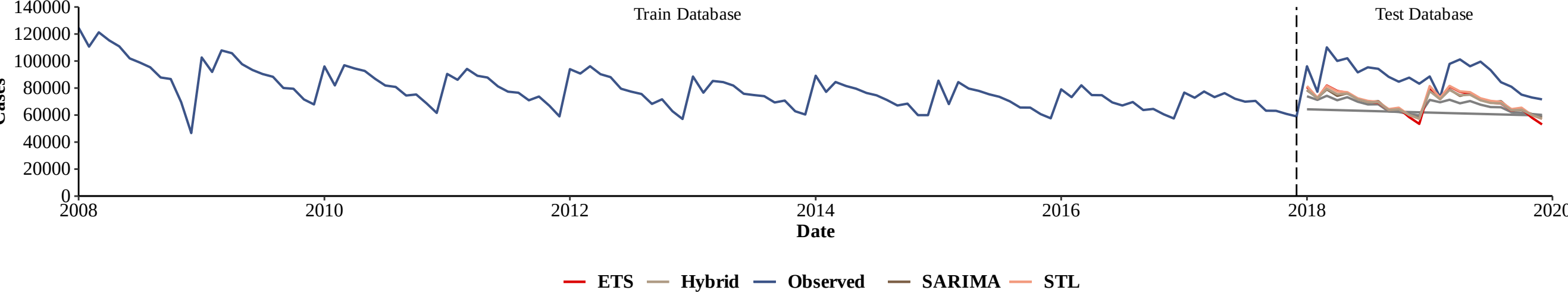
H : RMSE of Models

Method	Train	Test	Train and Test
Grey Model	10565.37	29104.68	15303.69
Neural Network	2790.66	23723.07	10425.75
STL	3199.08	20023.47	8680.53
ETS	3638.15	20993.32	9191.48
SARIMA	3882.85	20963.54	9263.30
Hybrid*	2467.82	21191.64	9307.78

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

I : R-squared of Models

Method	Train	Test	Train and Test
Grey Model	0.45	0.25	0.12
Neural Network	0.94	0.43	0.44
STL	0.95	0.47	0.68
ETS	0.94	0.49	0.65
SARIMA	0.94	0.45	0.68
Hybrid*	0.95	0.48	0.55

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

J : MAE of Models

Method	Train	Test	Train and Test
Grey Model	8249.31	27441.34	11447.98
Neural Network	2066.27	22312.06	5747.32
STL	2067.00	18558.69	4815.62
ETS	2205.09	19615.82	5106.88
SARIMA	2443.59	19525.37	5290.55
Hybrid*	1772.51	19843.76	5058.19

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