A: Grey Model

Train Database

Cases

B: Neural Network

Train Database

Cases

C: STL

Train Database

Cases

D: ETS

Train Database

Cases

E: SARIMA

Train Database

Cases

F: Hybrid Model

Train Database
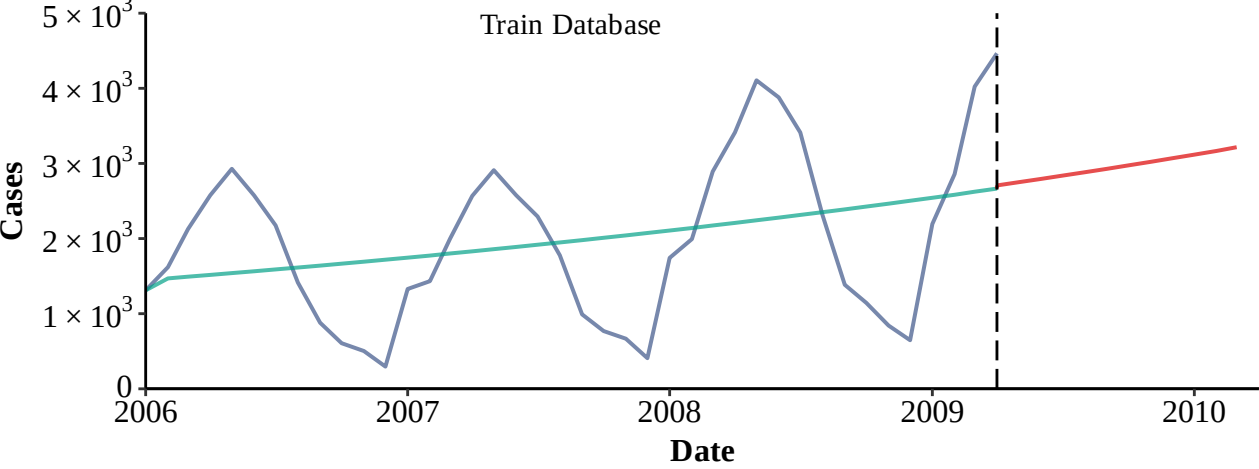
Cases

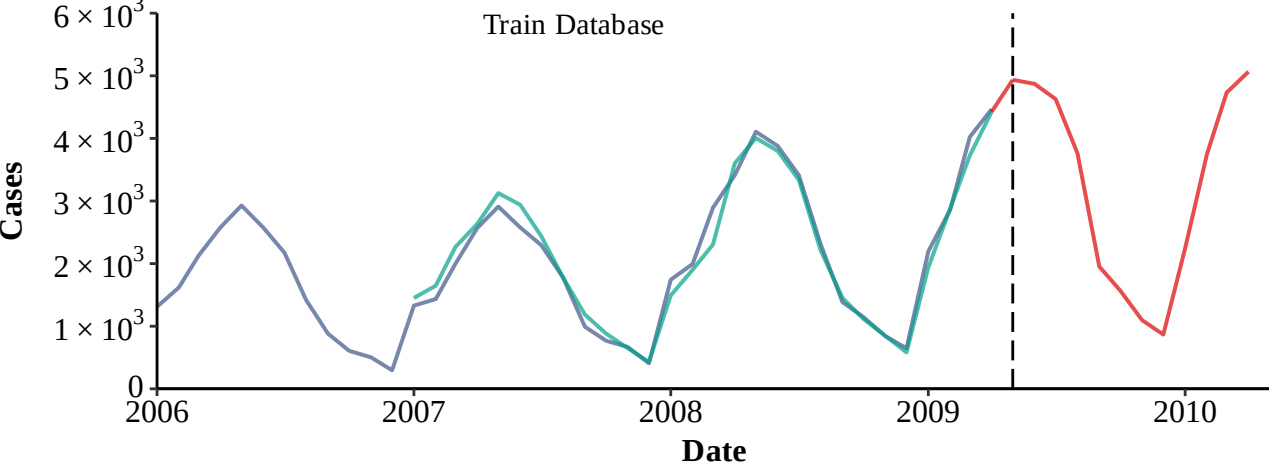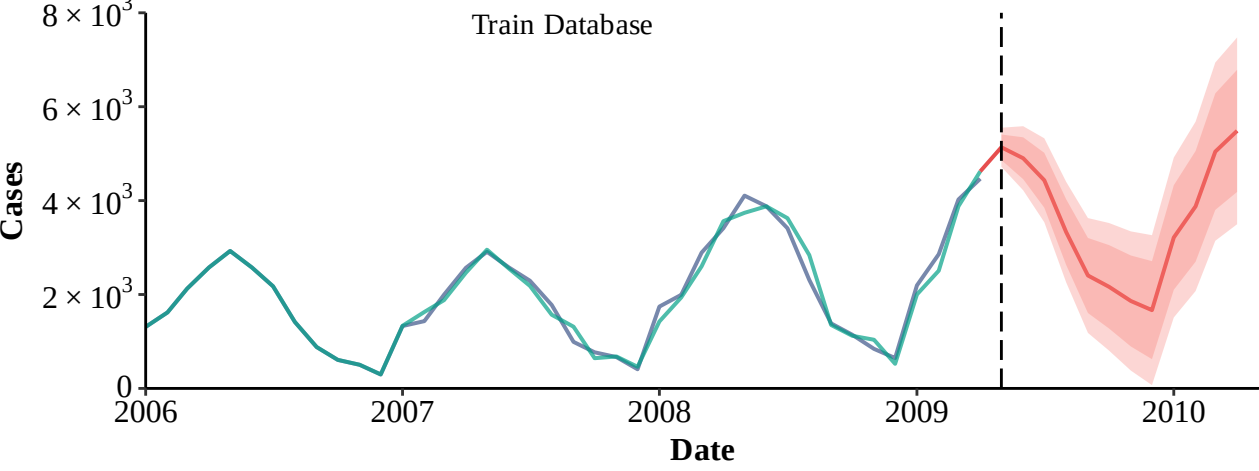— Observed — Fitted — Forecasted

G

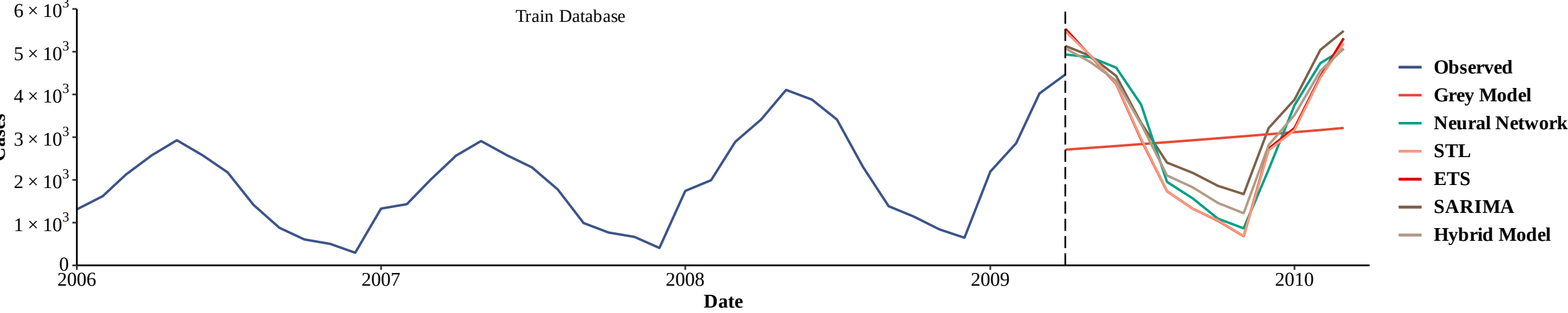Train Database

Cases

— Observed
— Grey Model
— Neural Network
— STL
— ETS
— SARIMA
— Hybrid Model

H : RMSE of Models

Method	Train
Grey Model	1040.53
Neural Network	192.34
STL	94.38
ETS	118.78
SARIMA	171.43
Hybrid Model*	121.20

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

I : R-squared of Models

Method	Train
Grey Model	0.10
Neural Network	0.97
STL	0.99
ETS	0.99
SARIMA	0.98
Hybrid Model*	0.99

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

J : MAE of Models

Method	Train
Grey Model	883.26
Neural Network	142.39
STL	67.14
ETS	84.58
SARIMA	111.92
Hybrid Model*	99.11

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