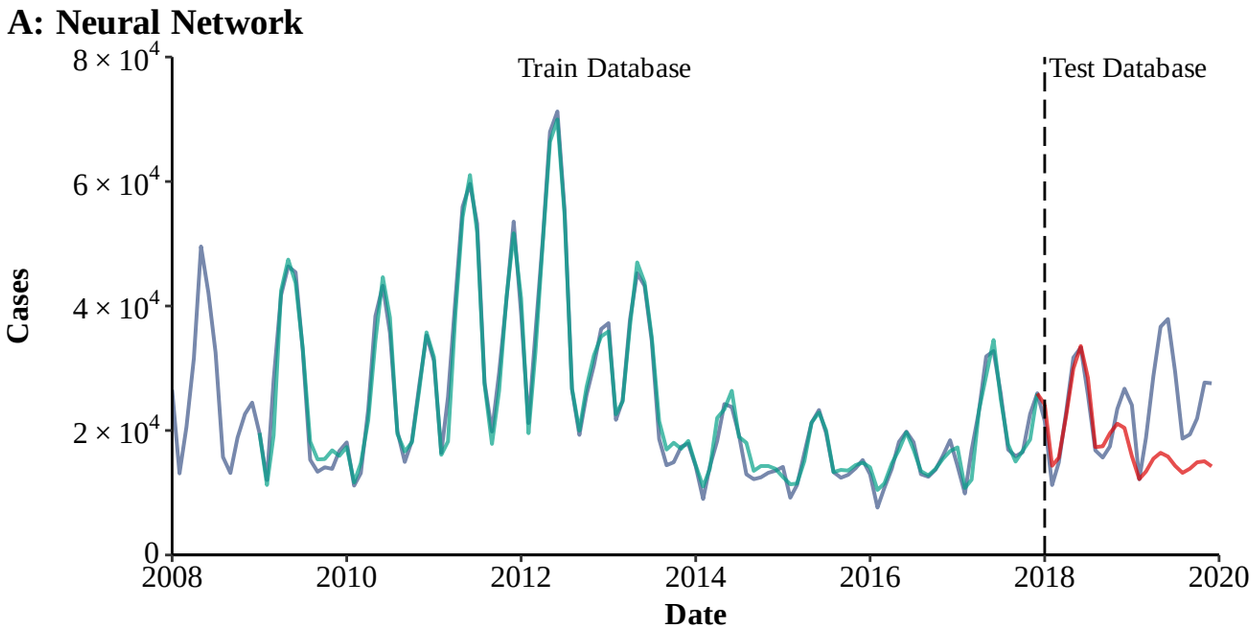


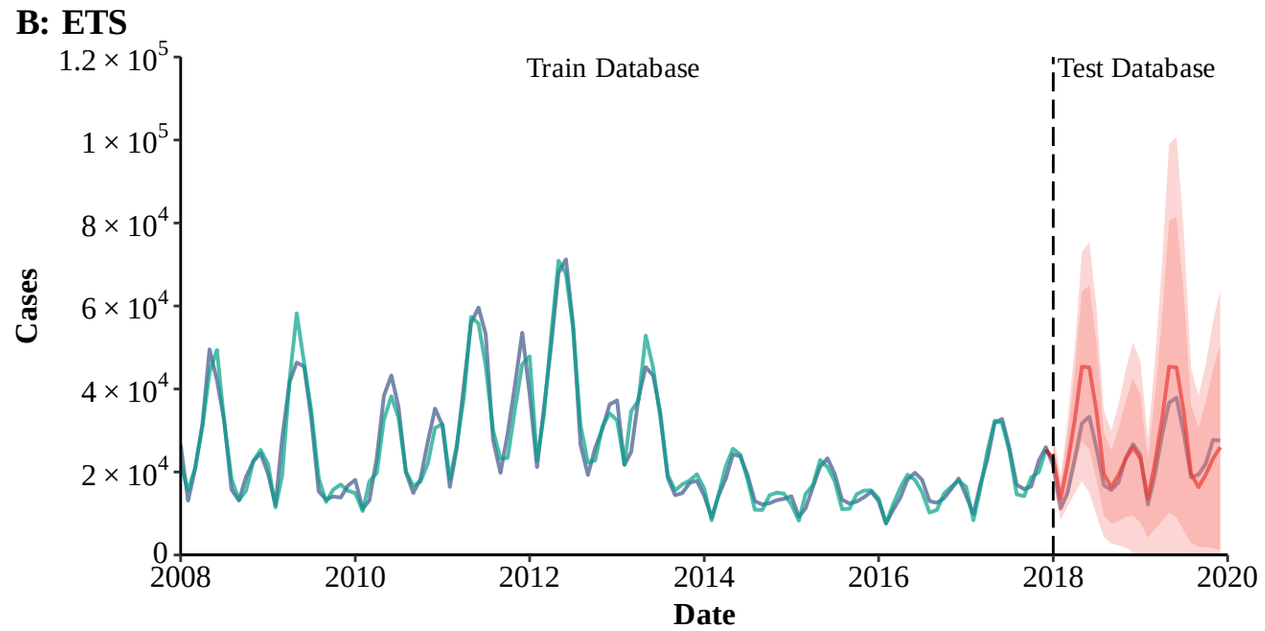


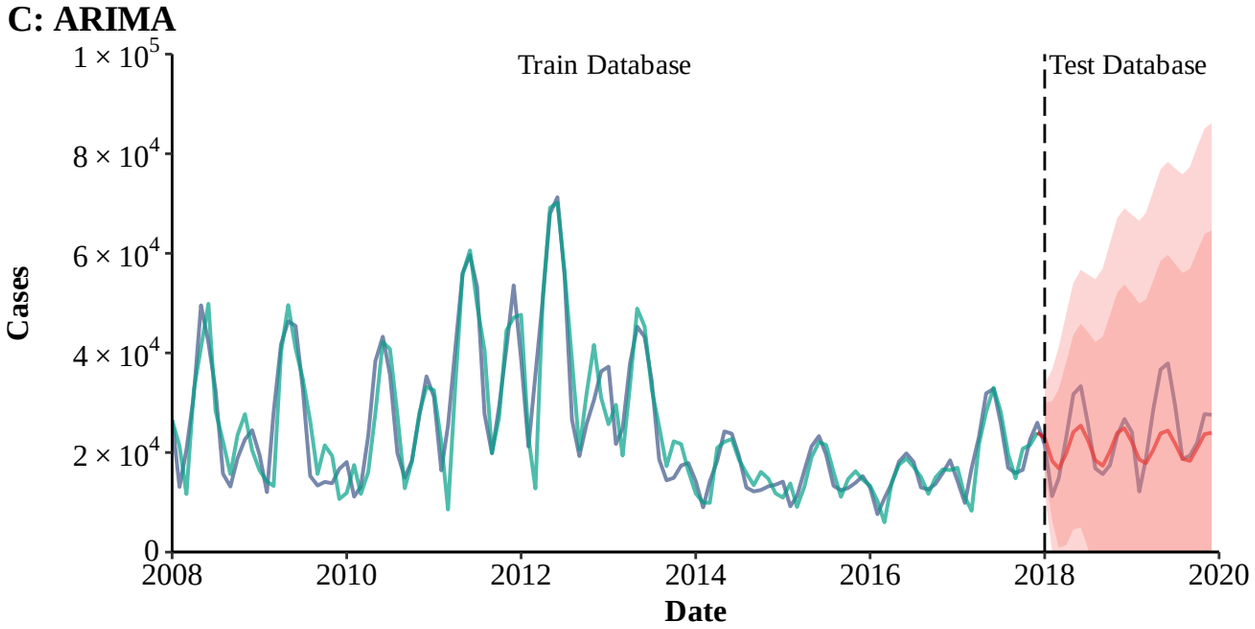


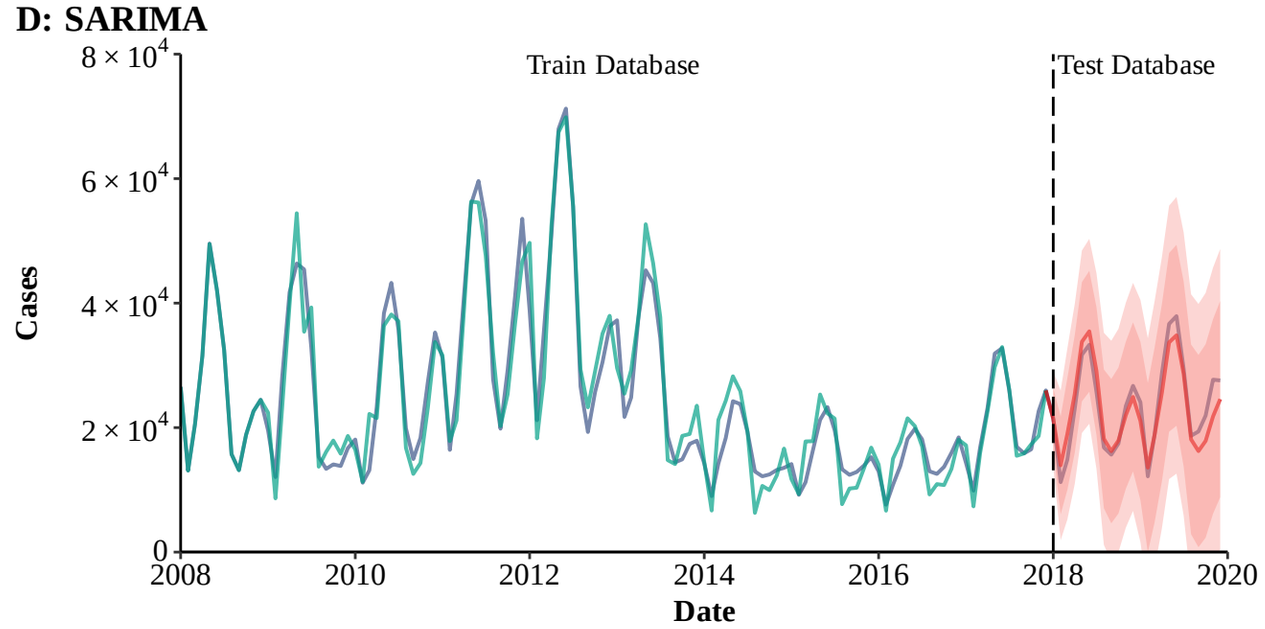


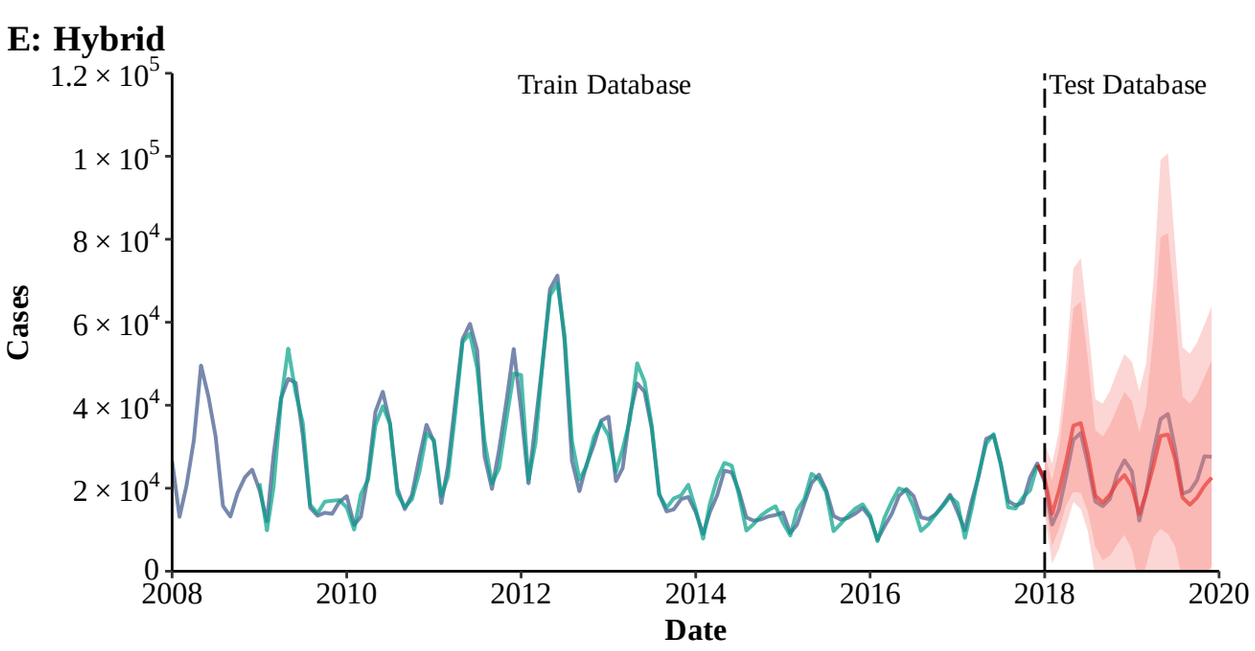


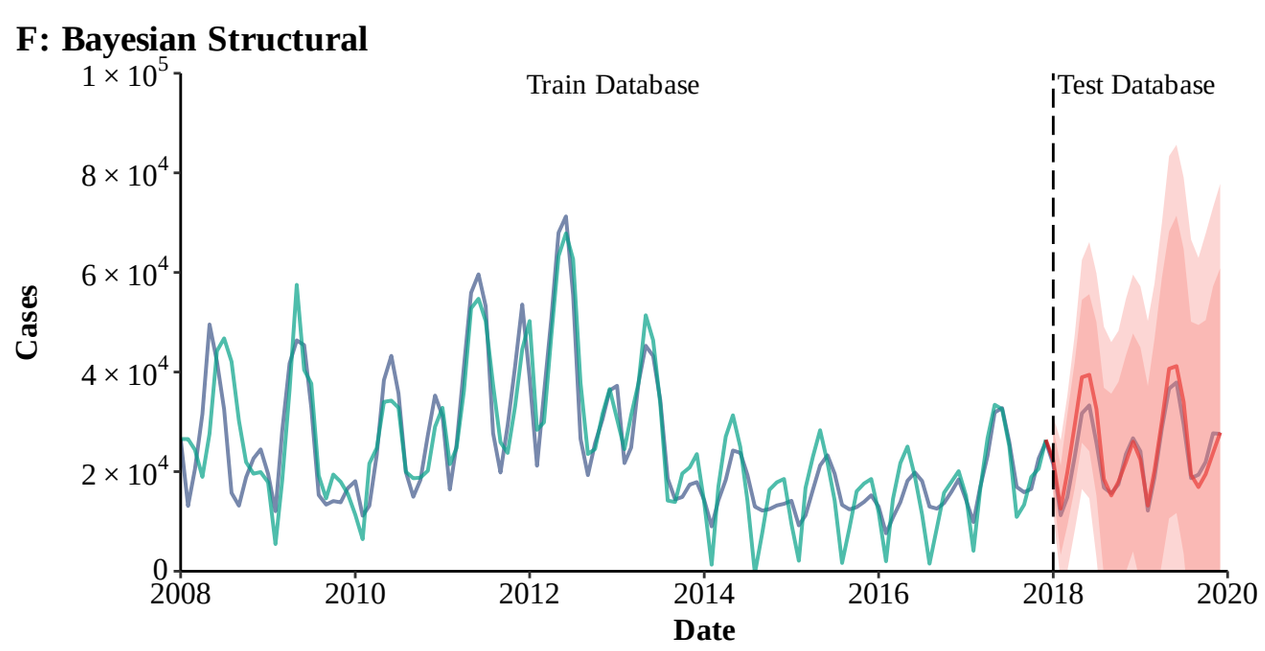


Fitted Forecasted Observed

## G : RMSE of Models

| Method | Train | Test | Train and Test |
|---|---|---|---|
| Neural Network | 2004.86 | 8964.02 | 4230.65 |
| ETS | 3255.45 | 5718.86 | 3779.22 |
| ARIMA | 5420.23 | 5643.82 | 5458.13 |
| SARIMA | 3556.41 | 2648.94 | 3421.92 |
| Hybrid* | 2642.80 | 3327.97 | 2779.97 |
| Bayesian Structural | 6632.00 | 3498.04 | 6220.31 |

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

## H : R-squared of Models

| Method | Train | Test | Train and Test |
|---|---|---|---|
| Neural Network | 0.98 | 0.13 | 0.90 |
| ETS | 0.94 | 0.82 | 0.92 |
| ARIMA | 0.84 | 0.69 | 0.82 |
| SARIMA | 0.93 | 0.87 | 0.93 |
| Hybrid* | 0.96 | 0.80 | 0.95 |
| Bayesian Structural | 0.78 | 0.88 | 0.78 |

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

## I : MAE of Models

| Method | Train | Test | Train and Test |
|---|---|---|---|
| Neural Network | 1428.40 | 6389.77 | 2330.47 |
| ETS | 2388.29 | 4321.38 | 2710.47 |
| ARIMA | 3916.38 | 4260.69 | 3973.76 |
| SARIMA | 2654.05 | 2242.12 | 2585.39 |
| Hybrid* | 2046.71 | 2903.32 | 2202.45 |
| Bayesian Structural | 5113.20 | 2739.21 | 4717.53 |

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