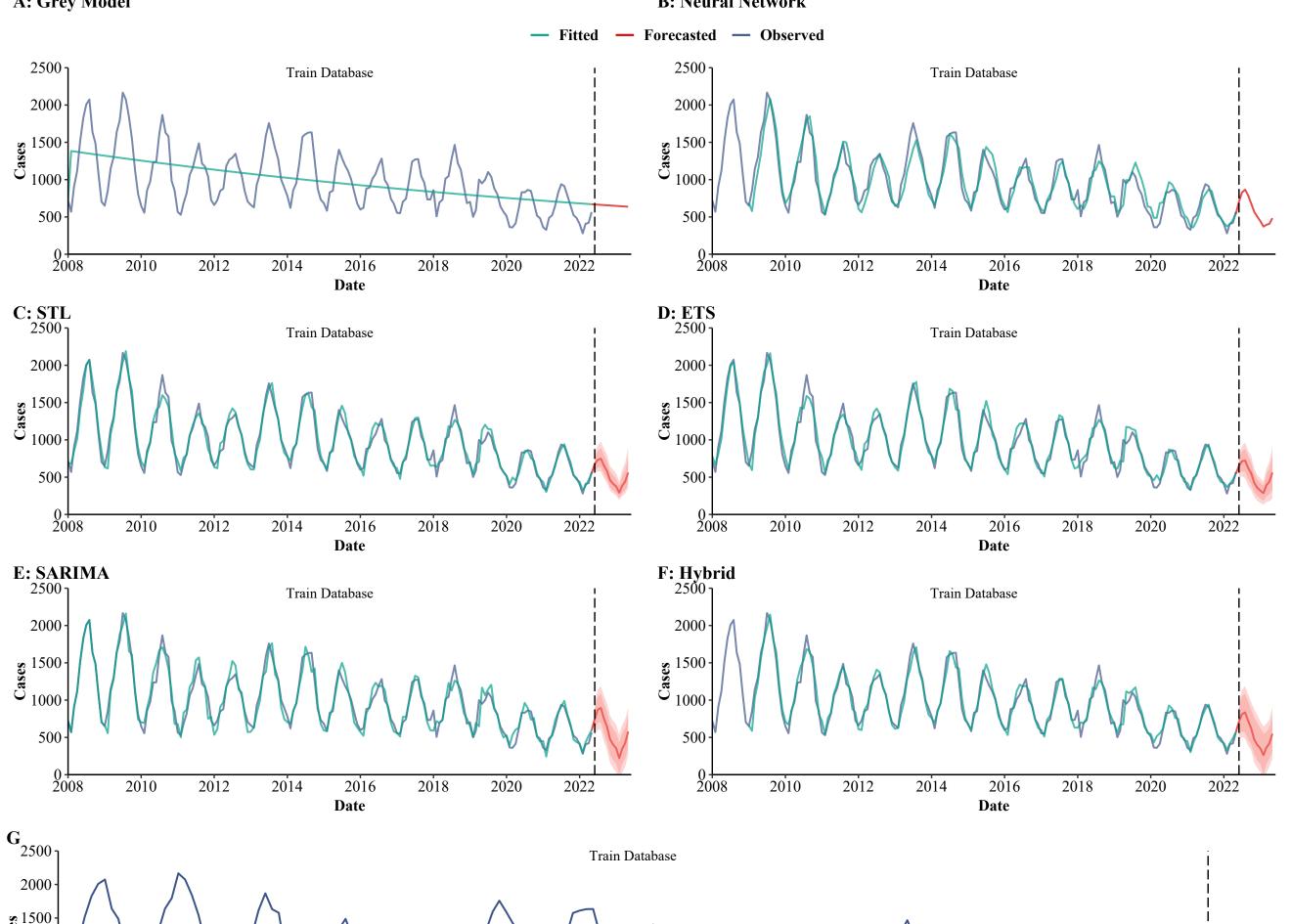
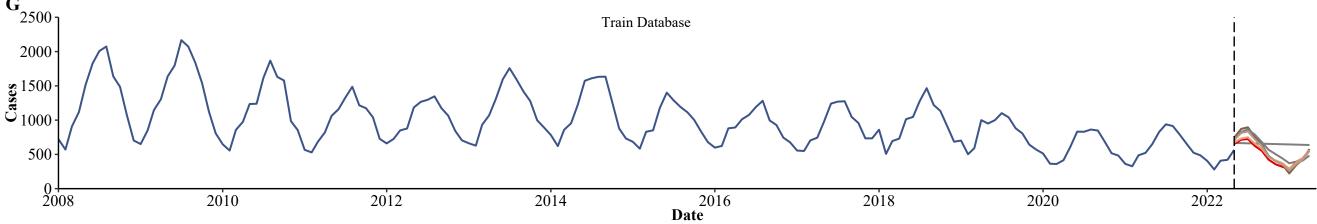
#### **B:** Neural Network





# — ETS — Hybrid — Observed — SARIMA— STL

### **H: RMSE of Models**

| Method         | Train  |
|----------------|--------|
| Grey Model     | 335.15 |
| Neural Network | 129.36 |
| STL            | 88.99  |
| ETS            | 97.37  |
| SARIMA         | 104.67 |
| Hybrid*        | 91.54  |

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

## I: R-squared of Models

| Method         | Train |
|----------------|-------|
| Grey Model     | 0.28  |
| Neural Network | 0.88  |
| STL            | 0.95  |
| ETS            | 0.94  |
| SARIMA         | 0.93  |
| Hybrid*        | 0.94  |

<sup>\*</sup>Hybrid: Combined SARIMA, ETS, STL and Neural Network model

### J: MAE of Models

| Method         | Train  |
|----------------|--------|
| Grey Model     | 274.96 |
| Neural Network | 99.98  |
| STL            | 67.59  |
| ETS            | 74.30  |
| SARIMA         | 77.06  |
| Hybrid*        | 69.03  |
|                |        |

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