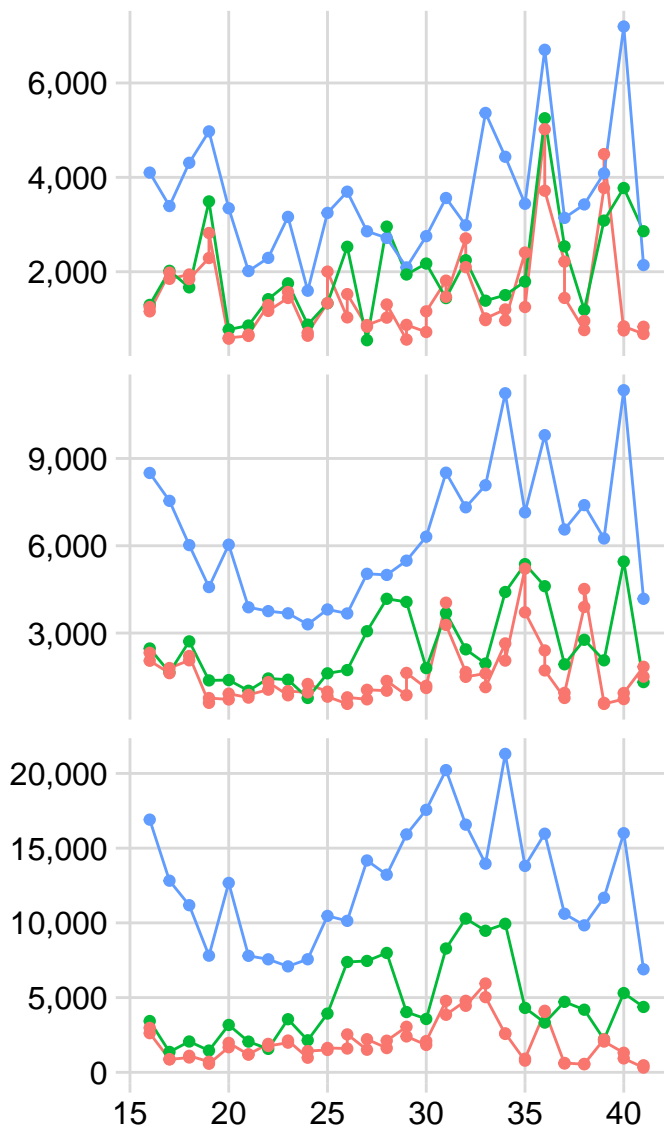


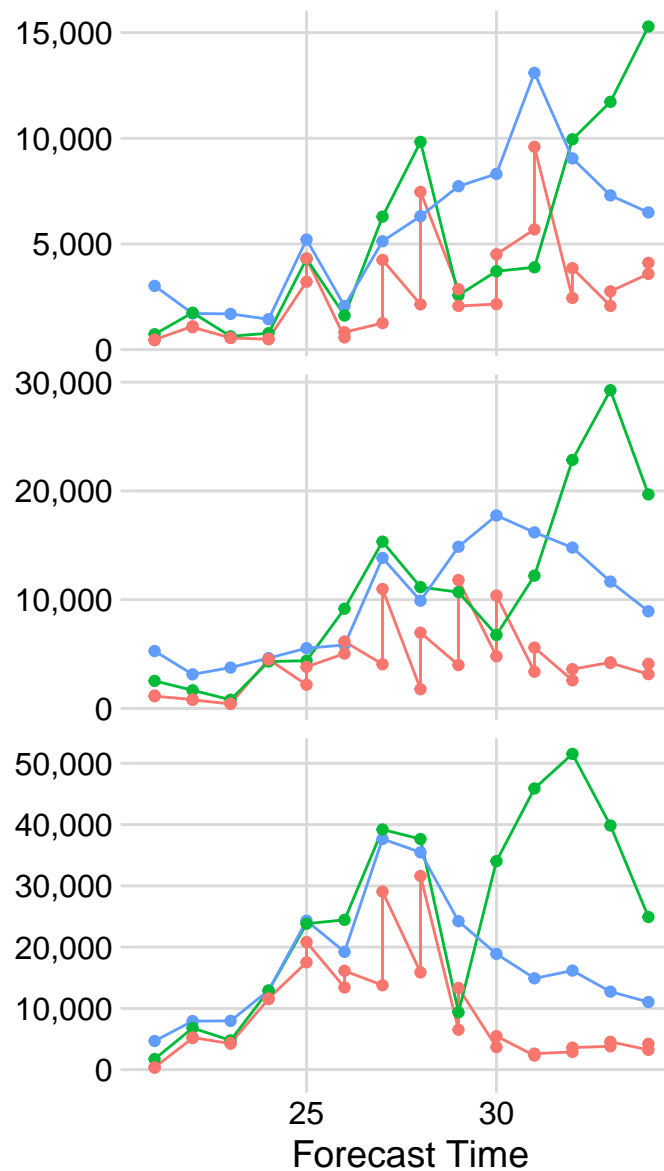
Continuous Ranked Probability Score for New Cases

CRPS

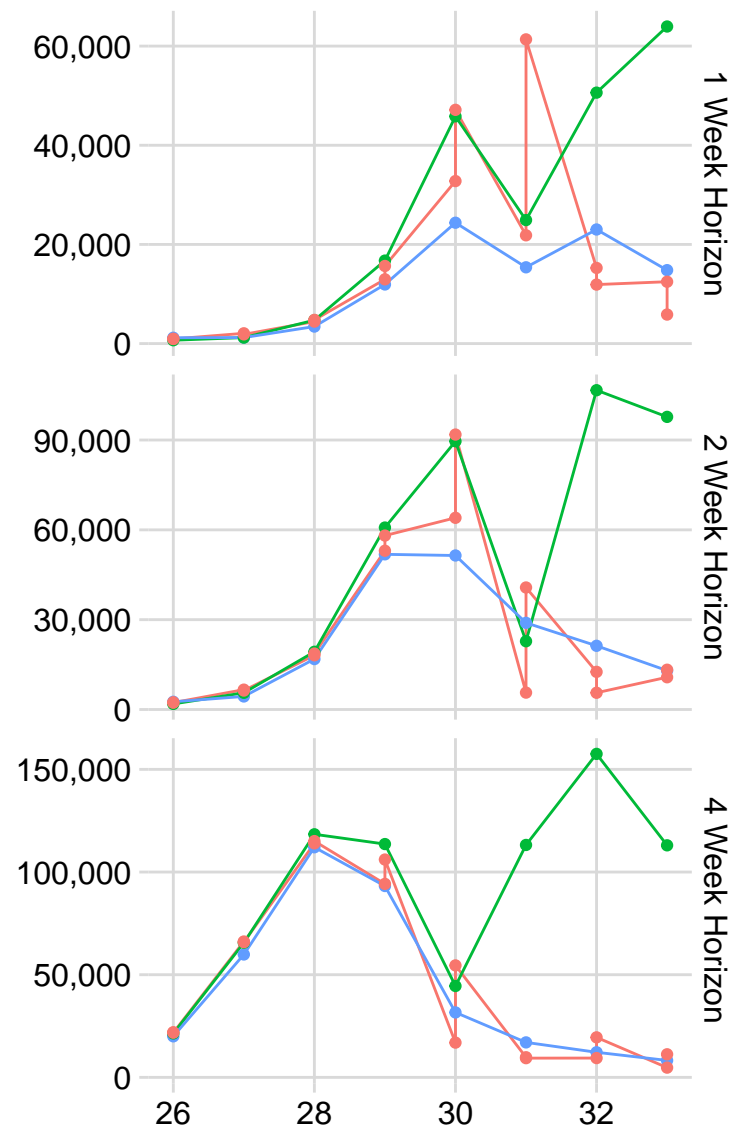
Slow Takeover Data



Medium Takeover Data



Fast Takeover Data



1 Week Horizon

2 Week Horizon

4 Week Horizon

Model

- $R_0(t)$: Constant
- $1/\kappa(t)$: Genetic
- $R_0(t)$: Constant
- $1/\kappa(t)$: GMRF
- $R_0(t)$: GMRF
- $1/\kappa(t)$: Constant