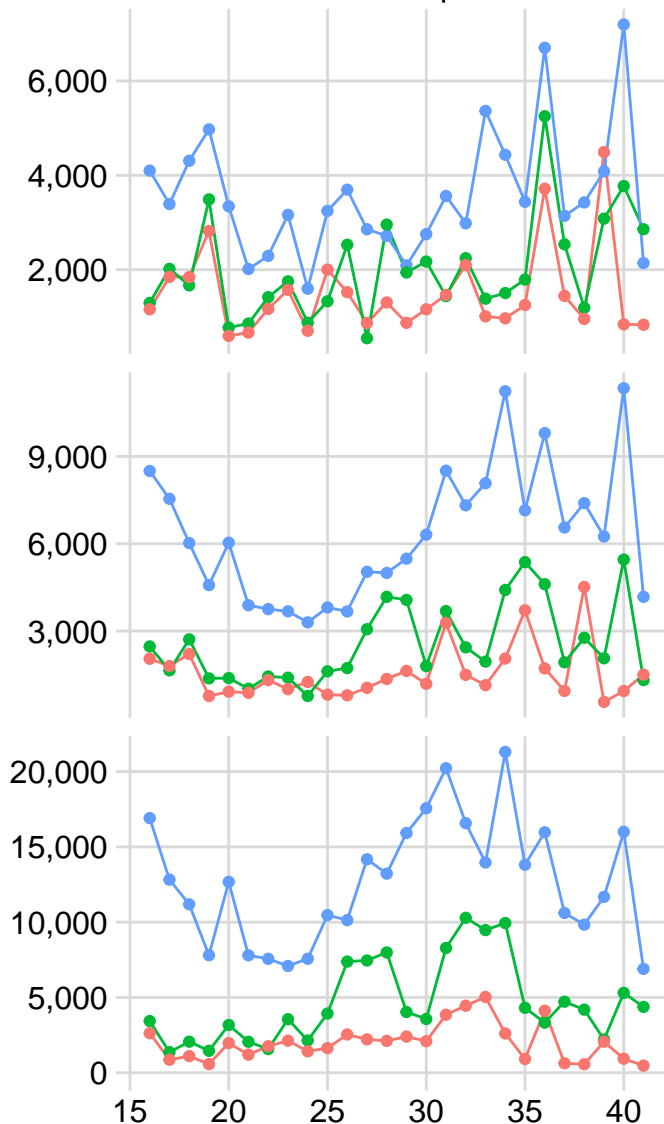


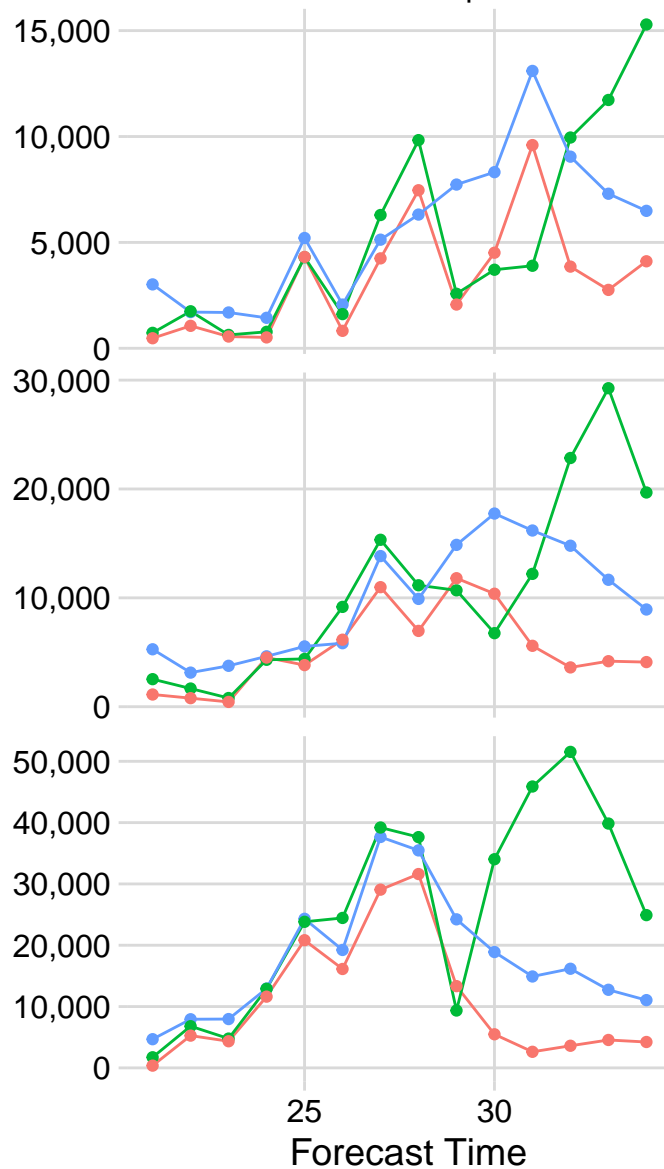
Continuous Ranked Probability Score for New Cases

CRPS

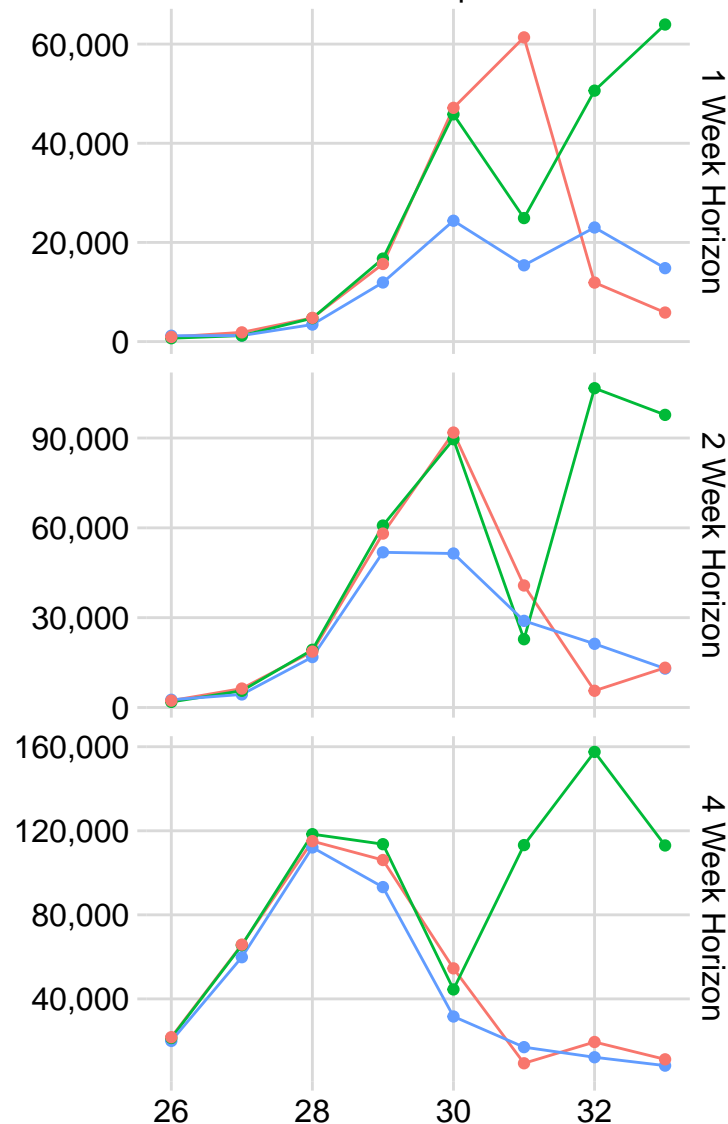
Slow Takeover Speed Data



Medium Takeover Speed Data



Fast Takeover Speed 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