

# Forecast Comparison for New Cases

California Data

$R_0(t)$  : Constant

$1/\kappa(t)$  : Genetic

$R_0(t)$  : Constant

$1/\kappa(t)$  : GMRF

$R_0(t)$  : GMRF

$1/\kappa(t)$  : Constant

New Cases

1,500,000

1,000,000

500,000

0

3,000,000

2,000,000

1,000,000

0

6,000,000

4,000,000

2,000,000

0

Jun '21  
Jul '21  
Aug '21  
Sep '21  
Oct '21  
Nov '21  
Dec '21  
Jan '22  
Feb '22  
Mar '22

Jun '21  
Jul '21  
Aug '21  
Sep '21  
Oct '21  
Nov '21  
Dec '21  
Jan '22  
Feb '22  
Mar '22

Jun '21  
Jul '21  
Aug '21  
Sep '21  
Oct '21  
Nov '21  
Dec '21  
Jan '22  
Feb '22  
Mar '22

Date

Predictive Interval Width



50%



80%



95%

1 Week Ahead  
2 Weeks Ahead  
1 Weeks Ahead