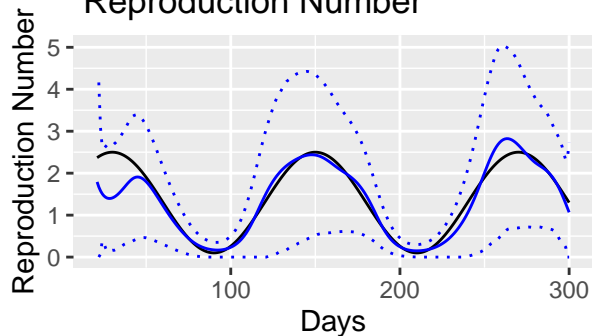


a)

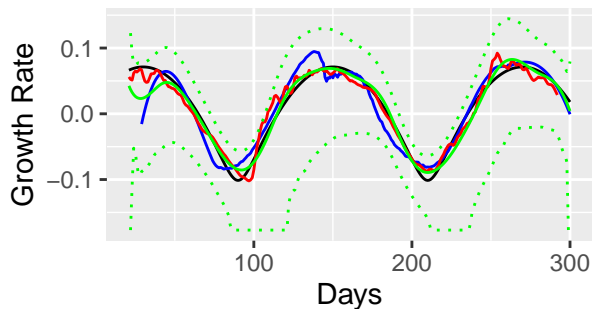
### Estimating Instantaneous Reproduction Number



— R\_estimate — R\_true

b)

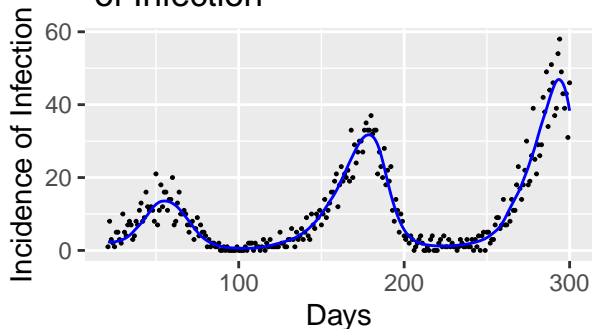
### Estimating Instantaneous Growth Rate



—  $r_t | \text{lam}_t$  —  $r_t | R_t$  —  $r_t | S_t$  —

c)

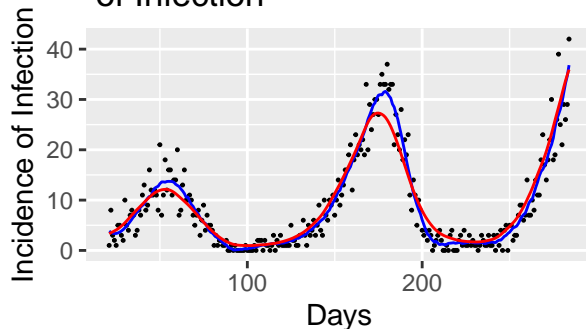
### Estimating Incidence of Infection



—  $I_t | R_t$  —  $I_{\text{true}}$

d)

### Smoothing Incidence of Infection



—  $I_t$  —  $\text{lam}_{\{t+2\tau\}}$  —  $S_t$