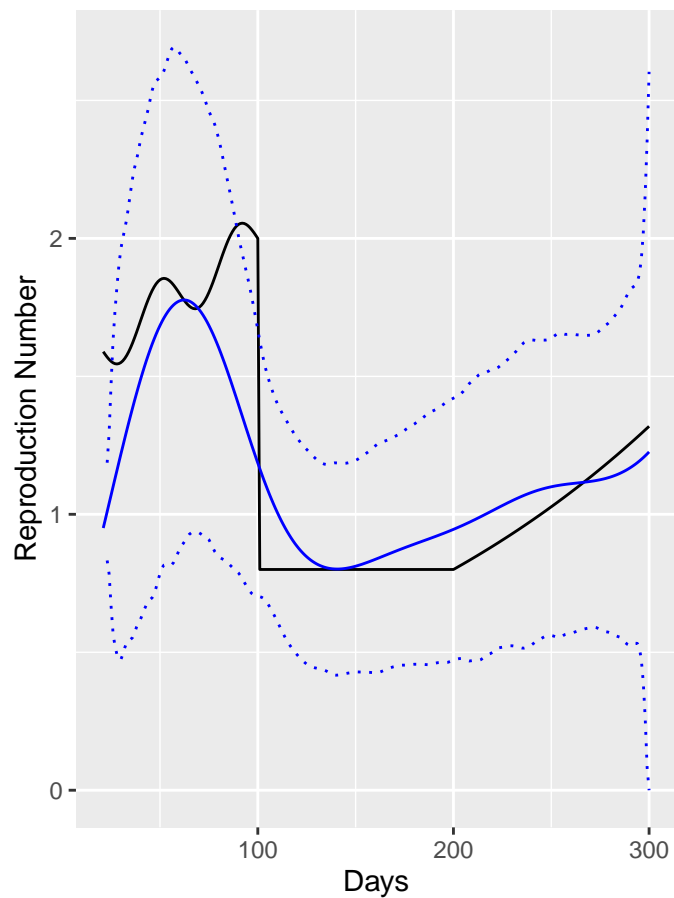
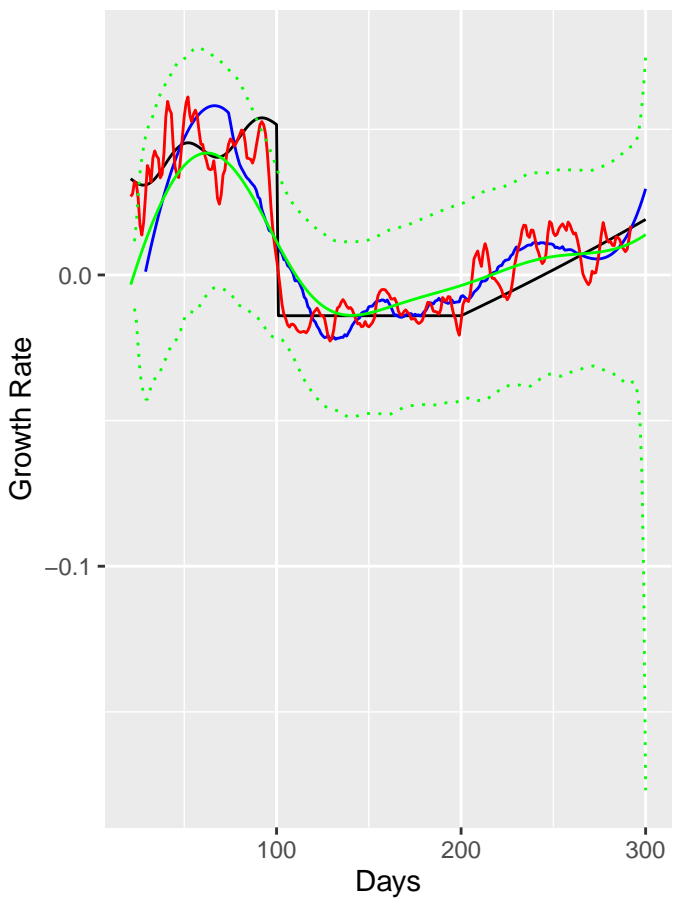


c) Estimating Instantaneous Reproduction Number



— R_{estimate} — R_{true}

d) Estimating Instantaneous Growth Rate



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