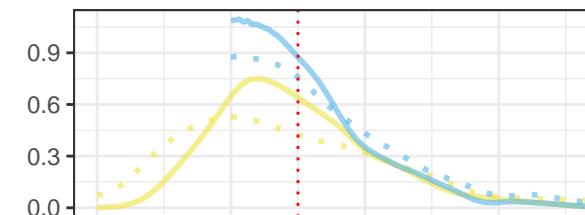
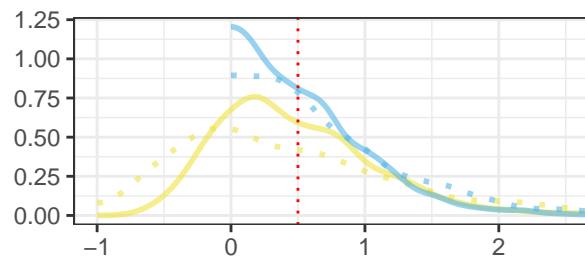


NegBin-L ground truth

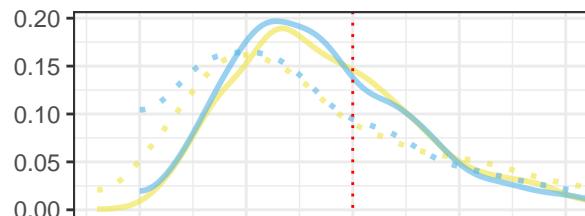
$R_t = 1.5$   
 $\xi = 0.5$   
 Magn. : low



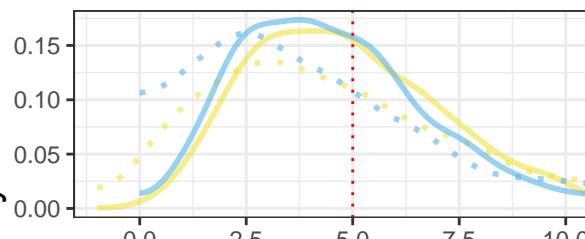
$R_t = 1.5$   
 $\xi = 0.5$   
 Magn. : high



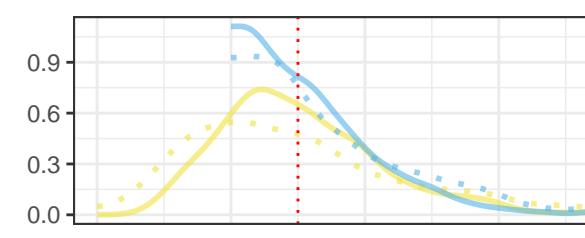
$R_t = 1.5$   
 $\xi = 5$   
 Magn. : low



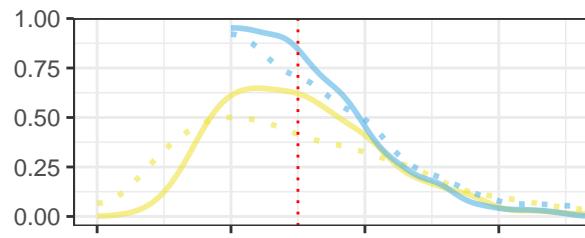
$R_t = 1.5$   
 $\xi = 5$   
 Magn. : high



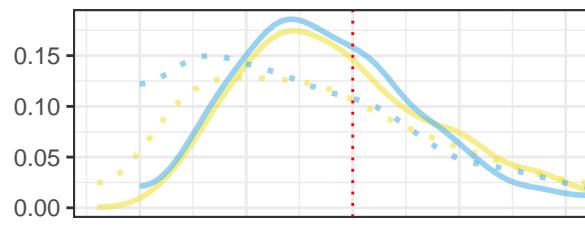
$R_t = 2.5$   
 $\xi = 0.5$   
 Magn. : low



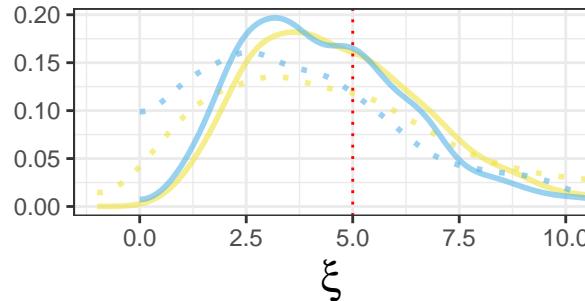
$R_t = 2.5$   
 $\xi = 0.5$   
 Magn. : high



$R_t = 2.5$   
 $\xi = 5$   
 Magn. : low

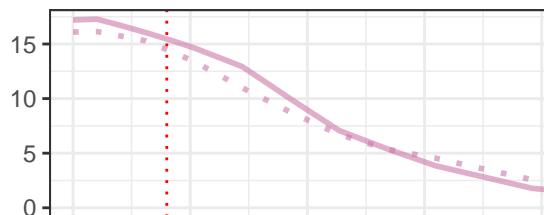


$R_t = 2.5$   
 $\xi = 5$   
 Magn. : high

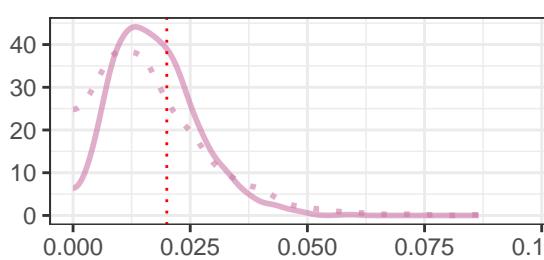


NegBin-Q ground truth

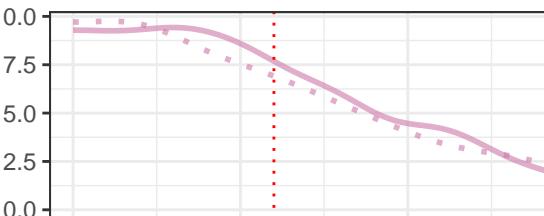
$R_t = 1.5$   
 $\psi = 0.02$   
 Magn. : low



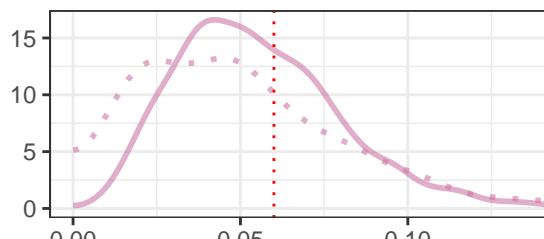
$R_t = 1.5$   
 $\psi = 0.02$   
 Magn. : high



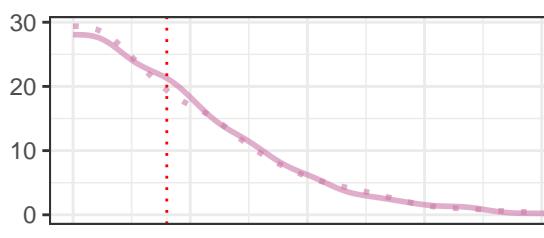
$R_t = 1.5$   
 $\psi = 0.06$   
 Magn. : low



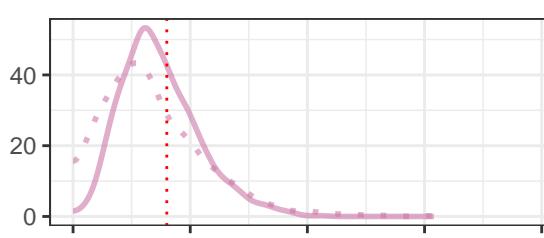
$R_t = 1.5$   
 $\psi = 0.06$   
 Magn. : high



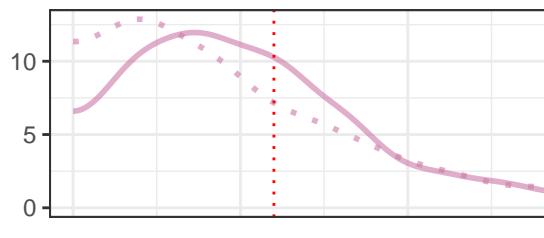
$R_t = 2.5$   
 $\psi = 0.02$   
 Magn. : low



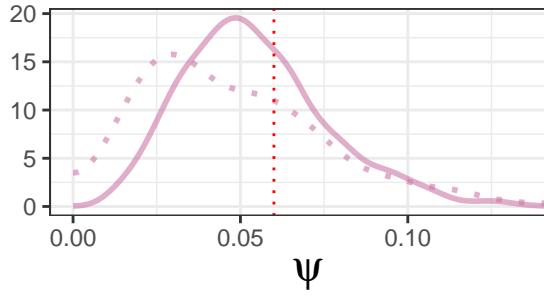
$R_t = 2.5$   
 $\psi = 0.02$   
 Magn. : high



$R_t = 2.5$   
 $\psi = 0.06$   
 Magn. : low



$R_t = 2.5$   
 $\psi = 0.06$   
 Magn. : high



— 14-day window  
 - - - 7-day window  
 - - - - overdispersion parameter

## Model

- Q–Pois
- - - NegBin–L
- - - - NegBin–Q