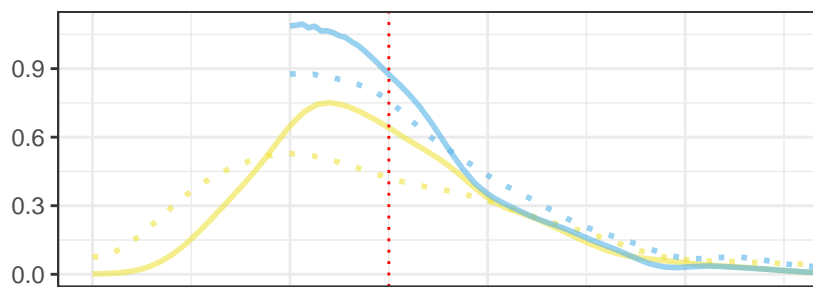
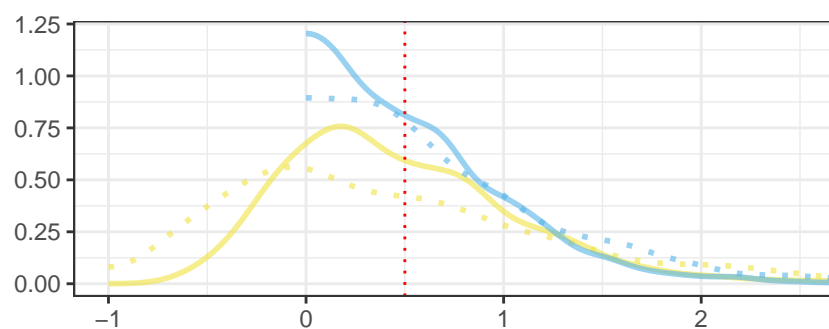


NegBin–L ground truth

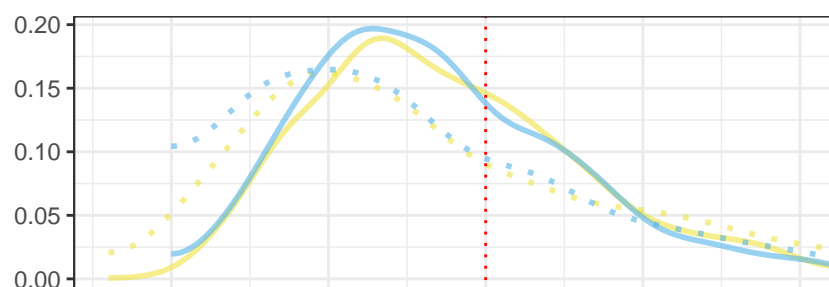
$R_t = 1.5$
 $\xi = 0.5$
 Magnitude : low



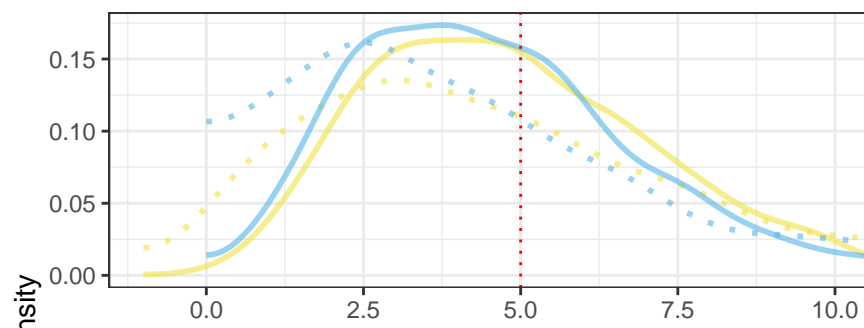
$R_t = 1.5$
 $\xi = 0.5$
 Magnitude : high



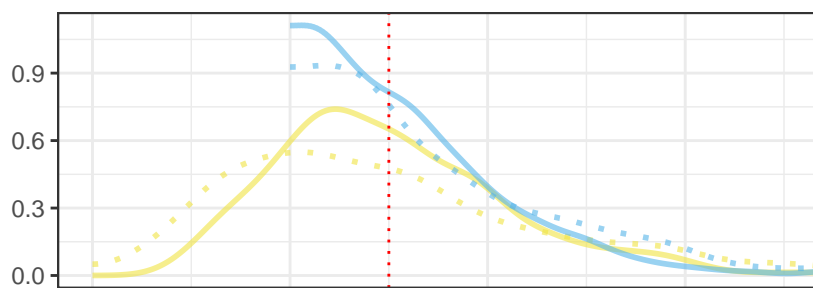
$R_t = 1.5$
 $\xi = 5$
 Magnitude : low



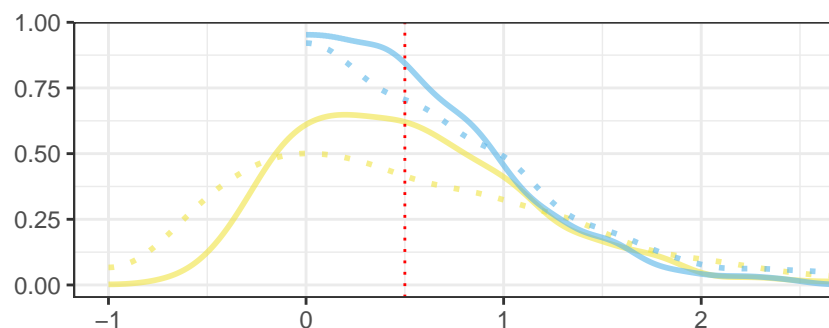
$R_t = 1.5$
 $\xi = 5$
 Magnitude : high



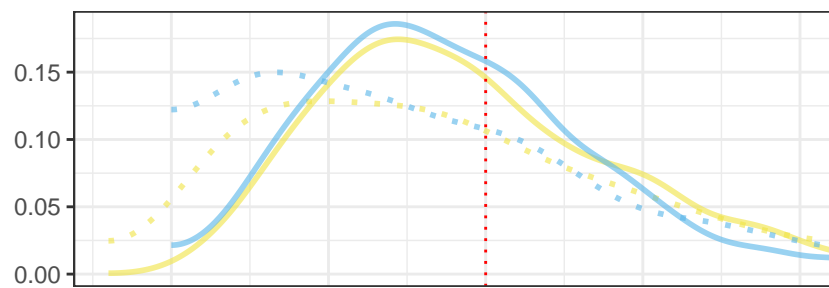
$R_t = 2.5$
 $\xi = 0.5$
 Magnitude : low



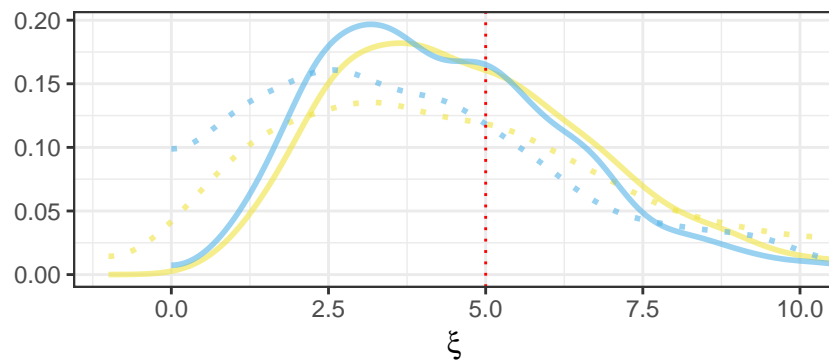
$R_t = 2.5$
 $\xi = 0.5$
 Magnitude : high



$R_t = 2.5$
 $\xi = 5$
 Magnitude : low

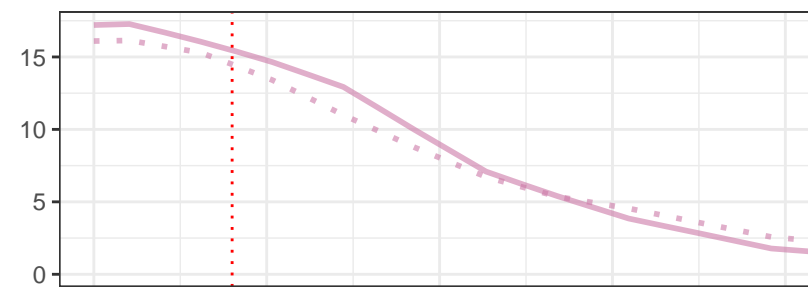


$R_t = 2.5$
 $\xi = 5$
 Magnitude : high

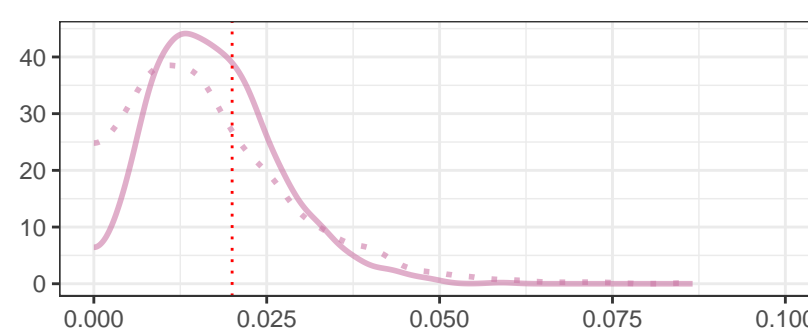


NegBin–Q ground truth

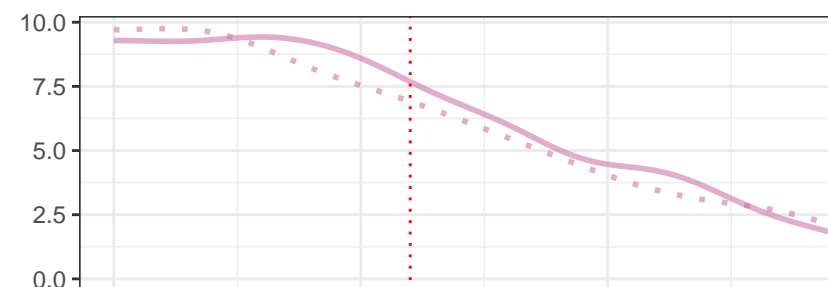
$R_t = 1.5$
 $\psi = 0.02$
 Magnitude : low



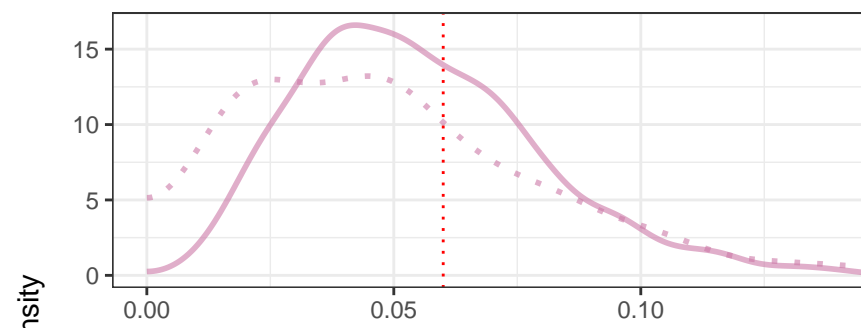
$R_t = 1.5$
 $\psi = 0.02$
 Magnitude : high



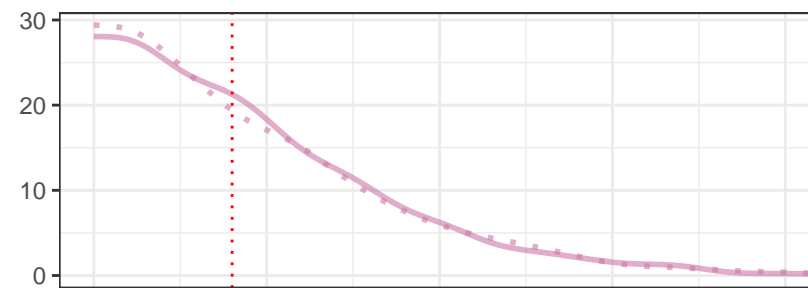
$R_t = 1.5$
 $\psi = 0.06$
 Magnitude : low



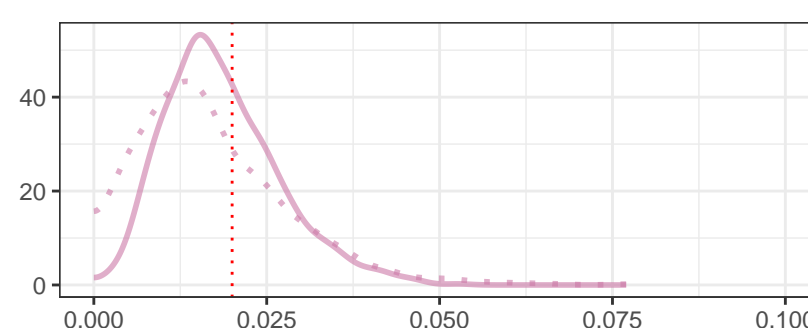
$R_t = 1.5$
 $\psi = 0.06$
 Magnitude : high



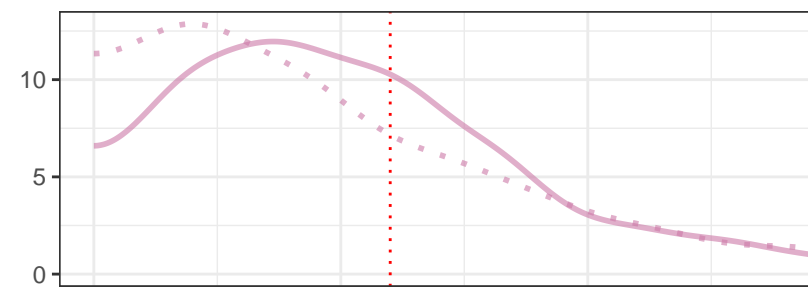
$R_t = 2.5$
 $\psi = 0.02$
 Magnitude : low



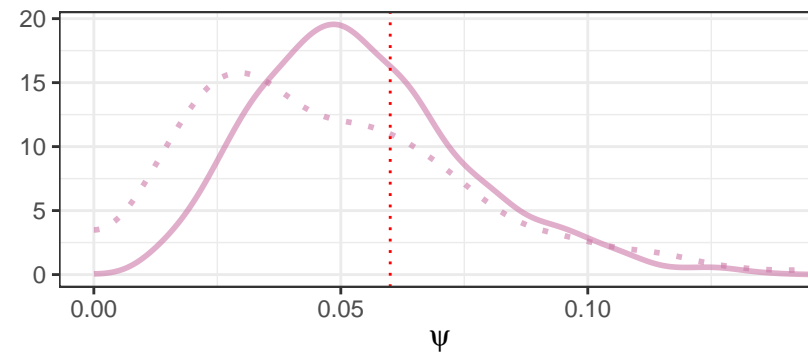
$R_t = 2.5$
 $\psi = 0.02$
 Magnitude : high



$R_t = 2.5$
 $\psi = 0.06$
 Magnitude : low



$R_t = 2.5$
 $\psi = 0.06$
 Magnitude : high



— 14–day window
 - - 7–day window
 ... overdistribution
 ... parameter

Model

— Q–Poisson
 — NegBin–L
 — NegBin–Q