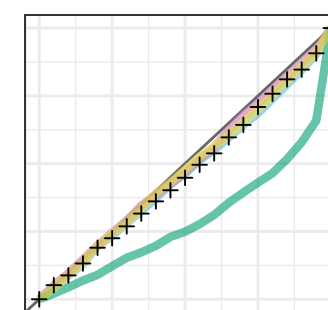
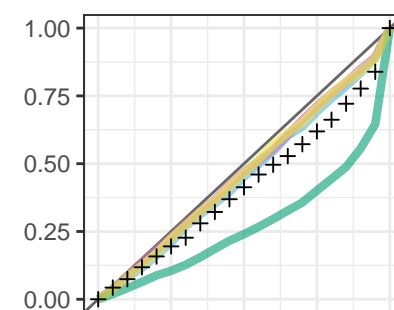
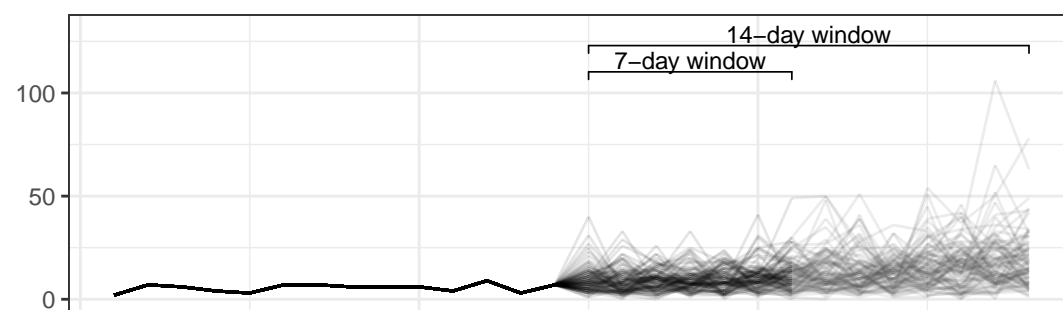


Simulation trajectories

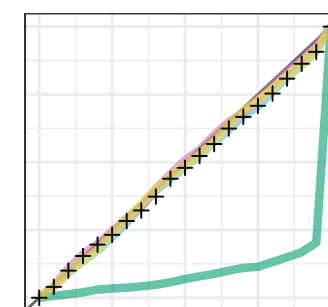
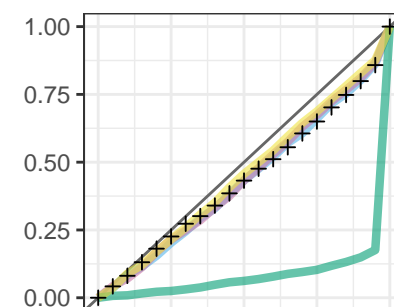
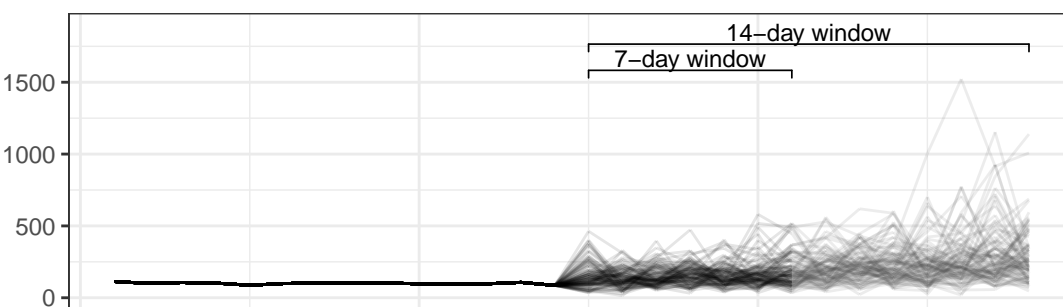
7-day window

14-day window

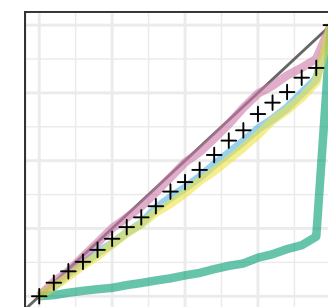
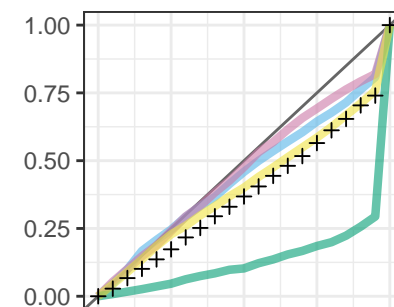
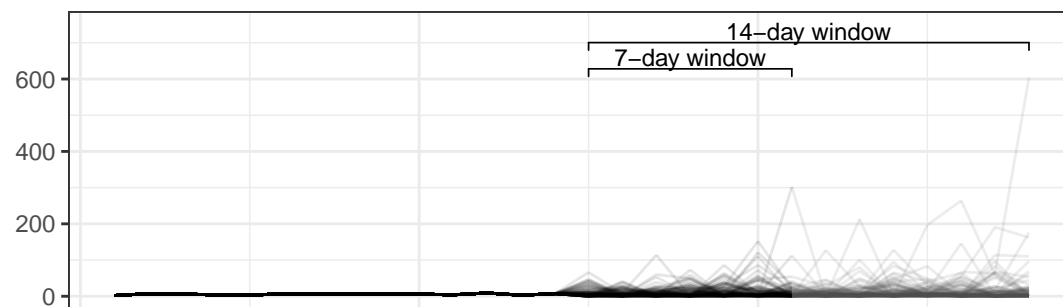
$R_t = 1.5$
 $\psi = 0.25$
 Magnitude : low



$R_t = 1.5$
 $\psi = 0.25$
 Magnitude : high

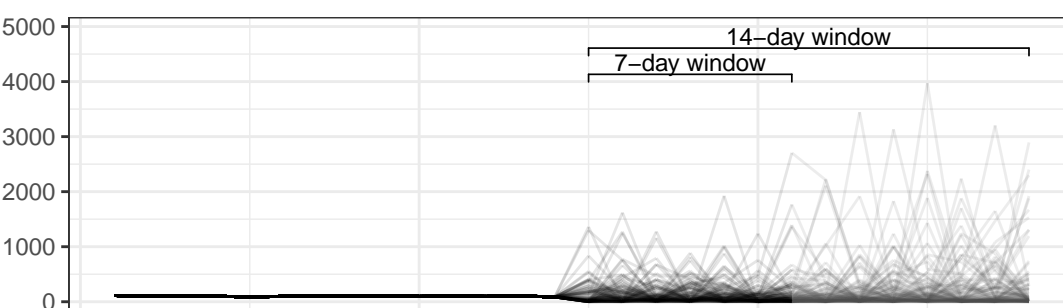


$R_t = 1.5$
 $\psi = 2.5$
 Magnitude : low

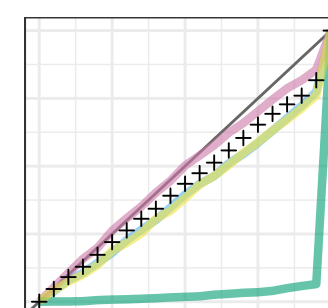
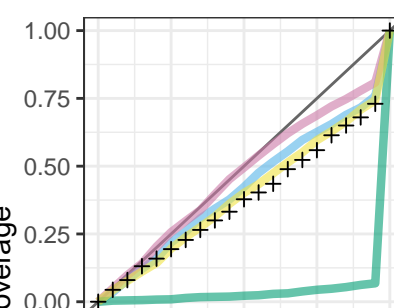


$R_t = 1.5$
 $\psi = 2.5$
 Magnitude : high

Cases



Empirical coverage



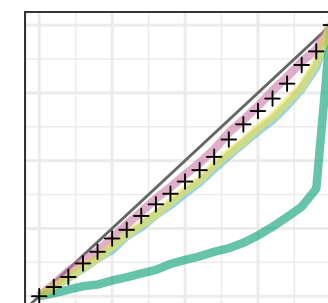
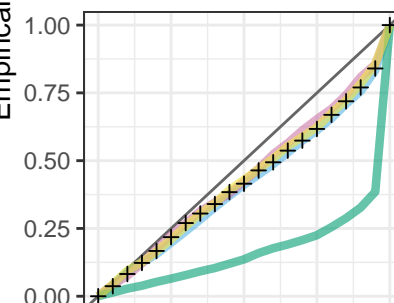
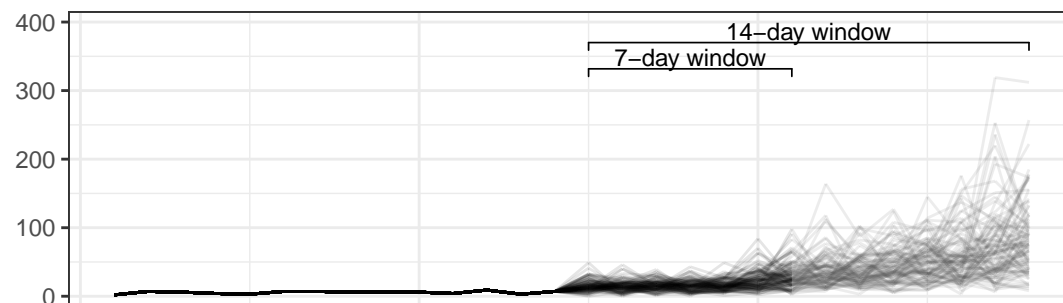
+ normal approx.

- - theoretical
Poisson coverage

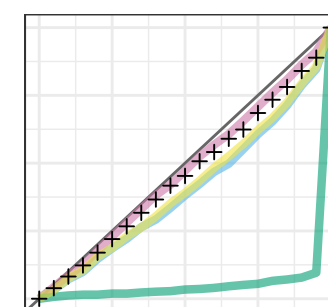
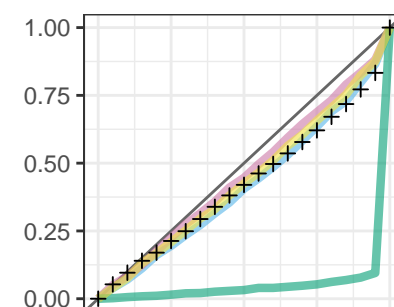
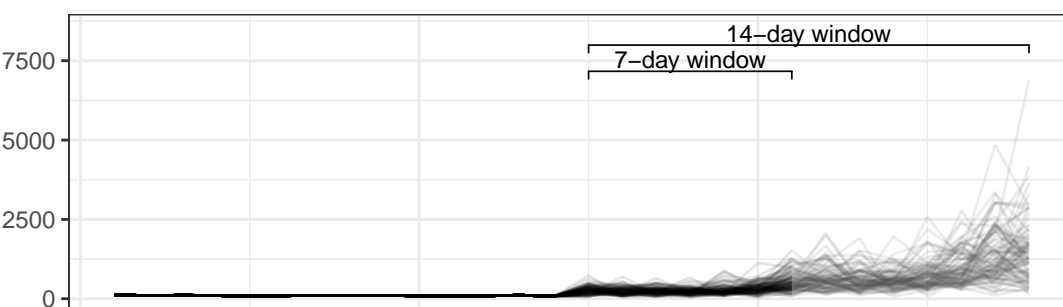
Model

Poiss
 Q-Poiss
 NegBin-L
 NegBin-Q

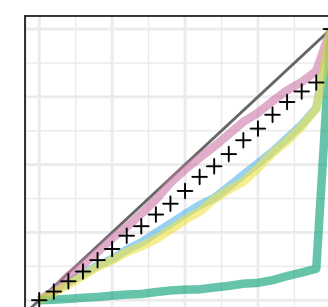
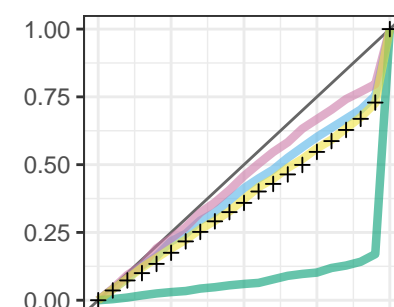
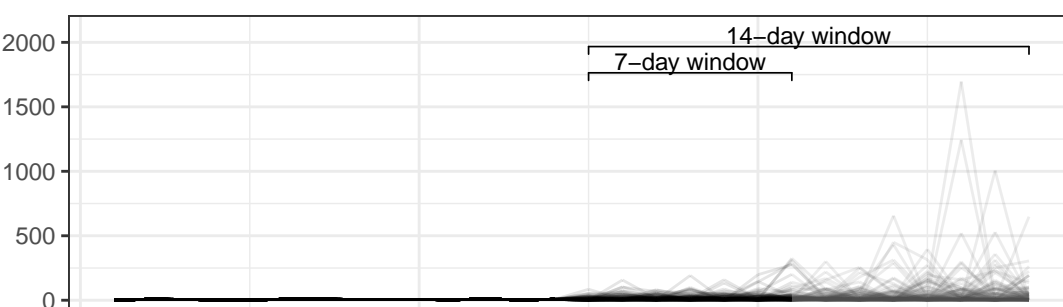
$R_t = 2.5$
 $\psi = 0.25$
 Magnitude : low



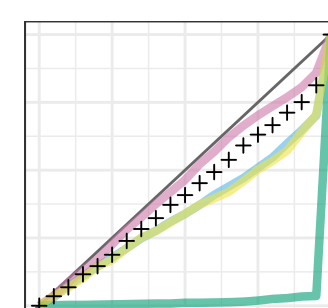
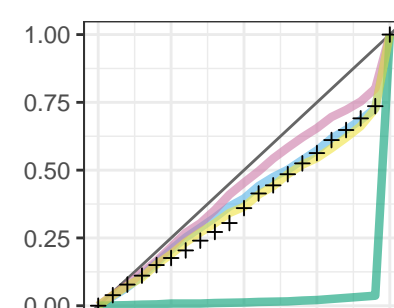
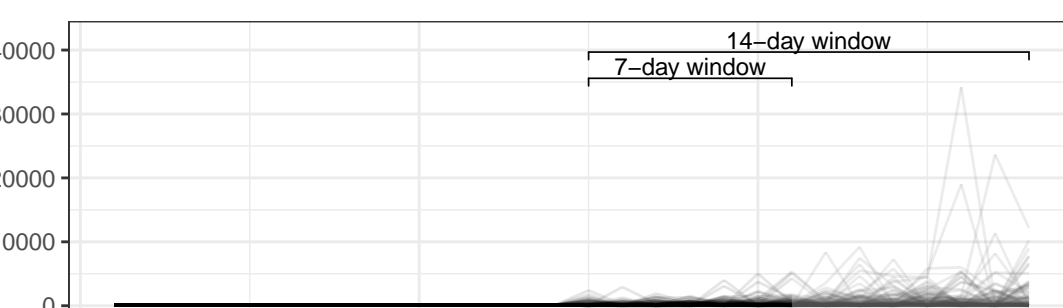
$R_t = 2.5$
 $\psi = 0.25$
 Magnitude : high



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



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



Nominal coverage

Day