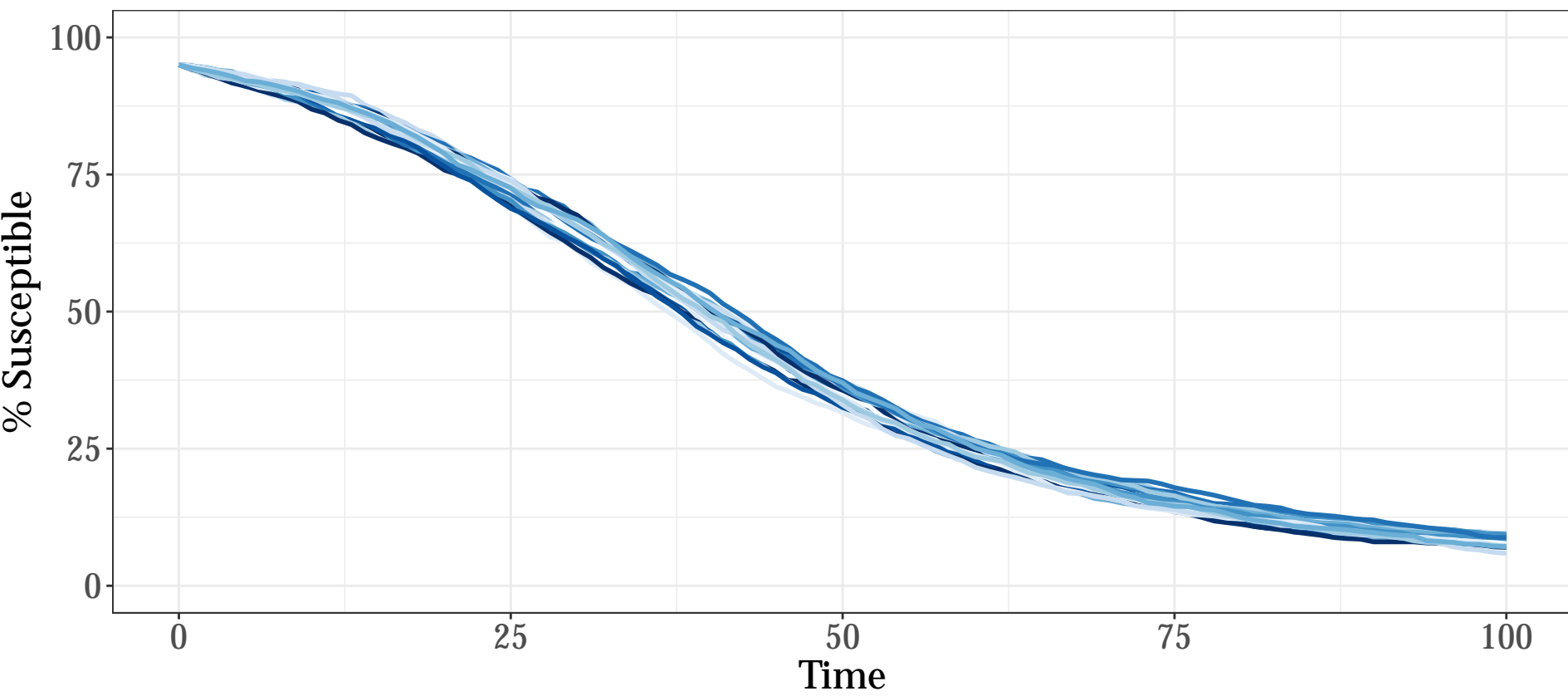


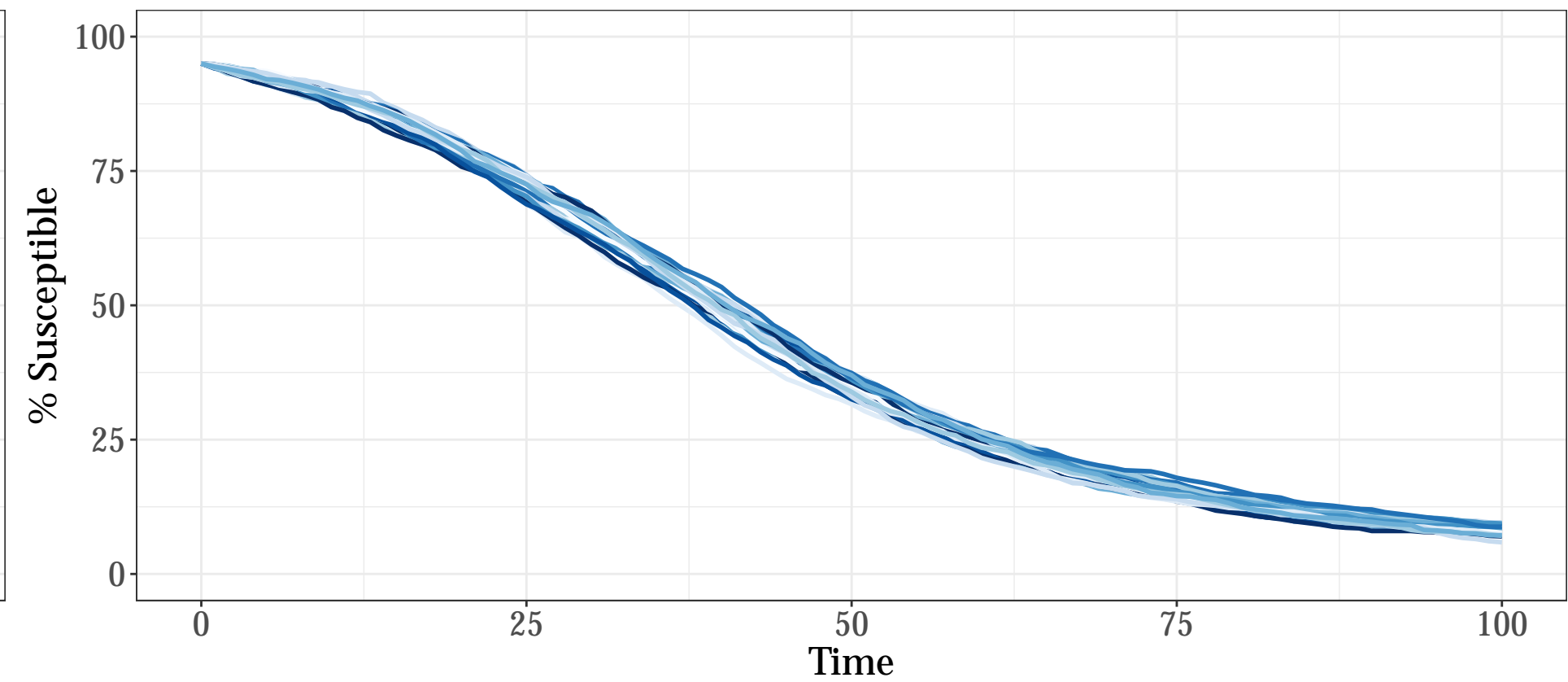
### Simulations of $\hat{S}(t)$

$\beta = 0.10; \gamma = 0.03$ ; CM approach



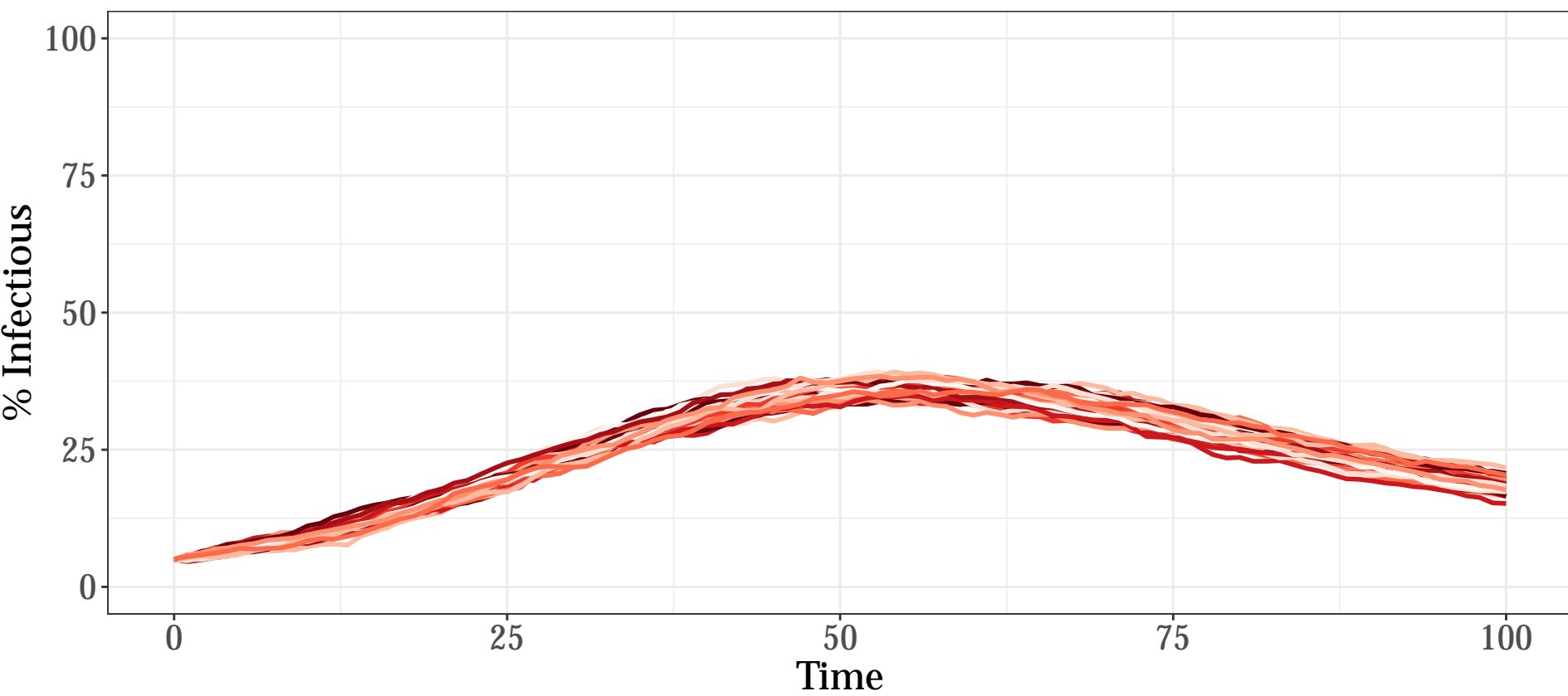
### Simulations of $\hat{S}(t)$

$\beta = 0.10; \gamma = 0.03$ ; AM approach



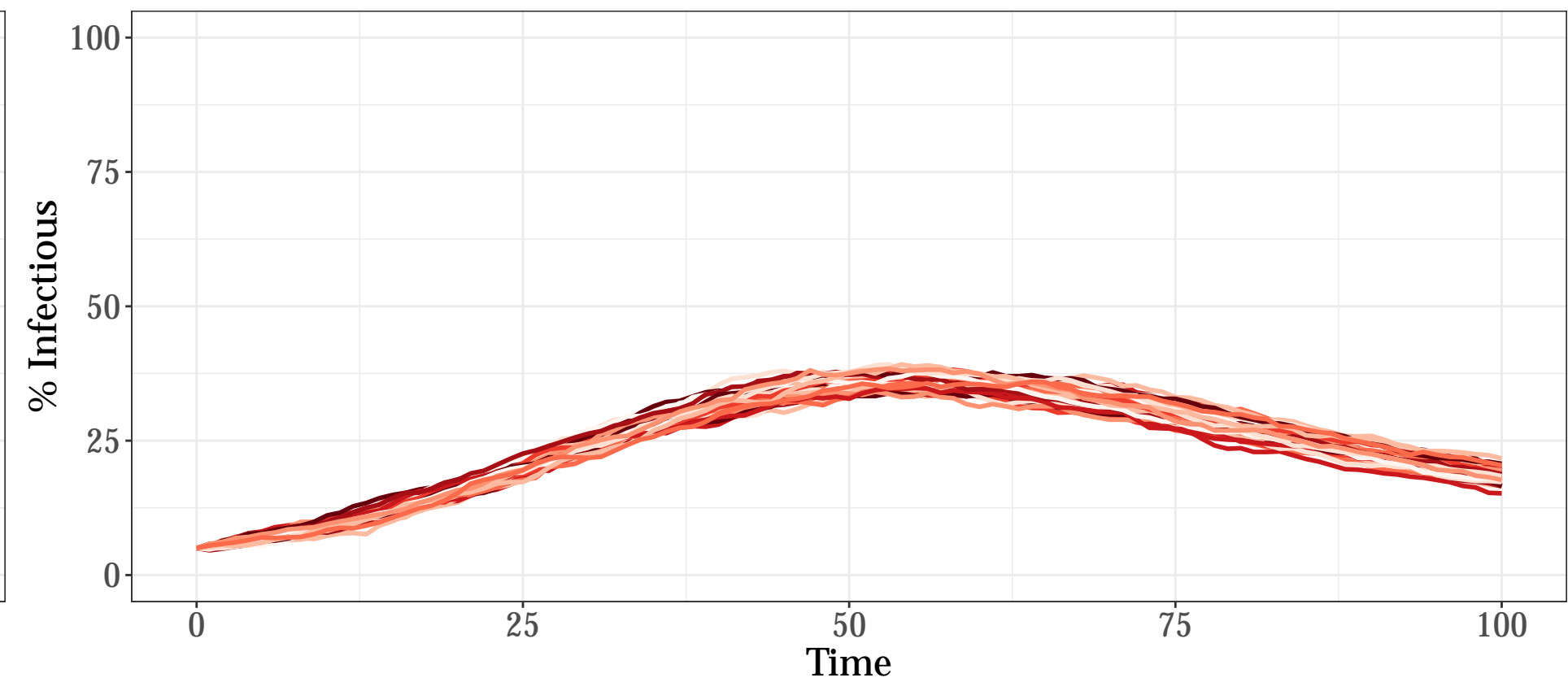
### Simulations of $\hat{I}(t)$

$\beta = 0.10; \gamma = 0.03$ ; CM approach



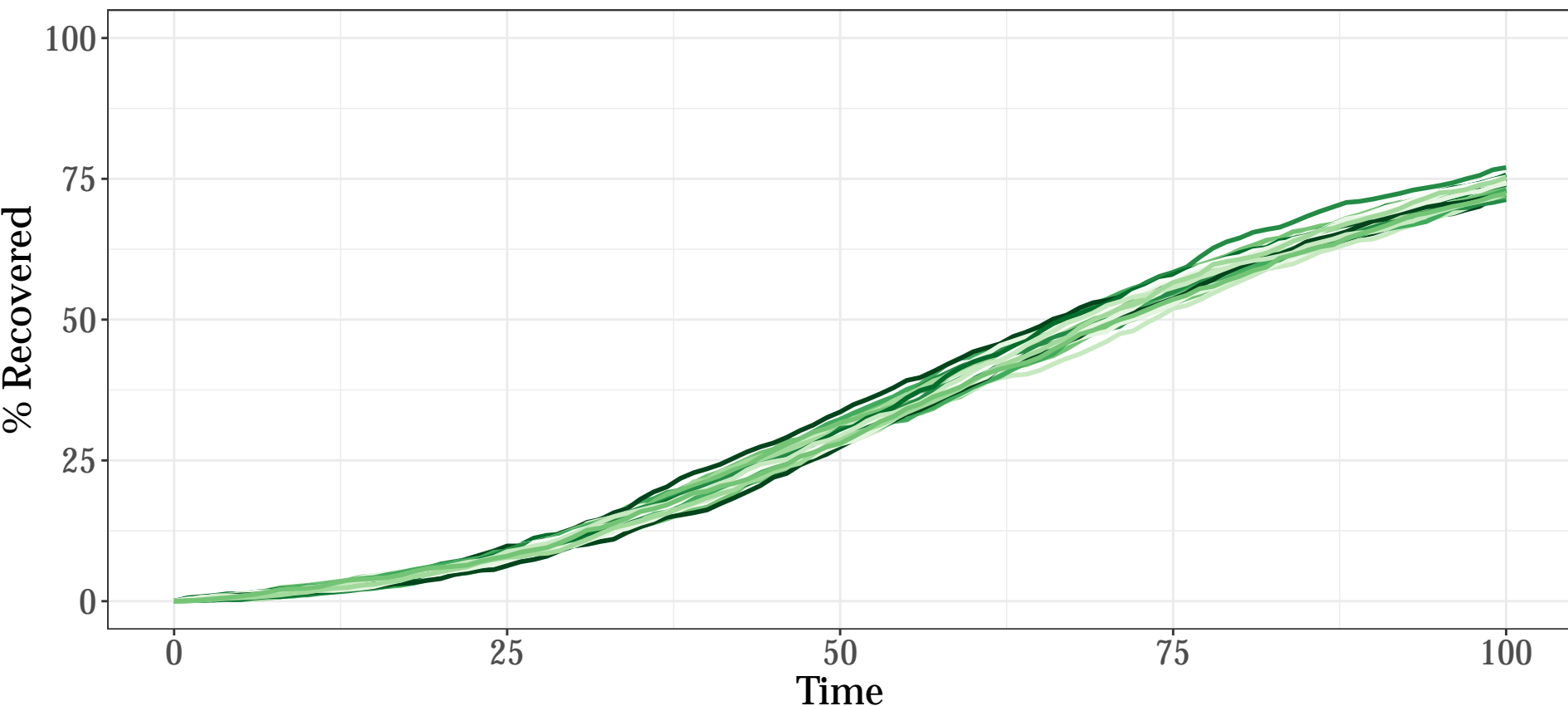
### Simulations of $\hat{I}(t)$

$\beta = 0.10; \gamma = 0.03$ ; AM approach



### Simulations of $\hat{R}$

$\beta = 0.10; \gamma = 0.03$ ; CM approach



### Simulations of $\hat{R}$

$\beta = 0.10; \gamma = 0.03$ ; AM approach

