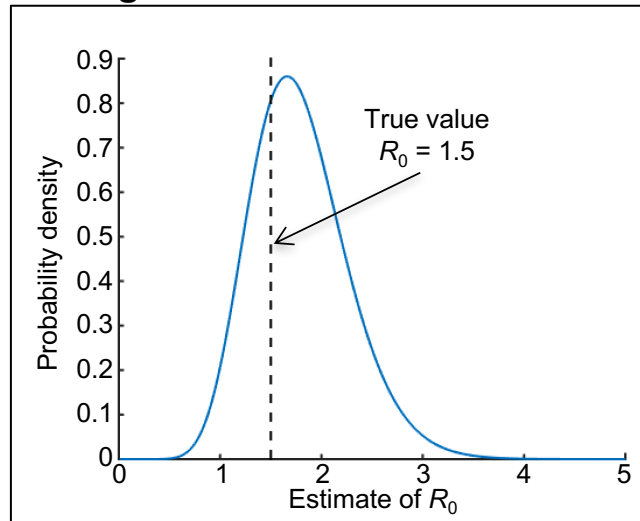
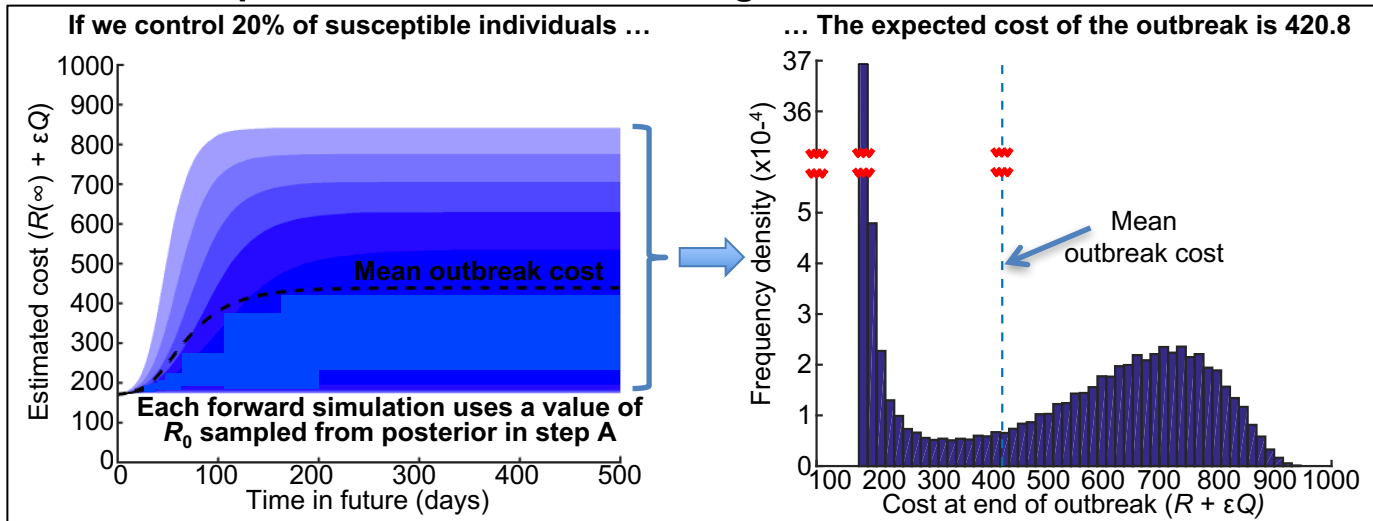


# Control Amount Optimisation Algorithm (CAOA)

## A Estimate disease spread parameters using available transmission data



## B Use the estimated parameter values from step A in forward simulations to forecast the expected cost of the outbreak given that $Q$ individuals are controlled



## C Repeat step B for different control amounts, $Q$ , and find the $Q$ corresponding to minimum expected outbreak cost

