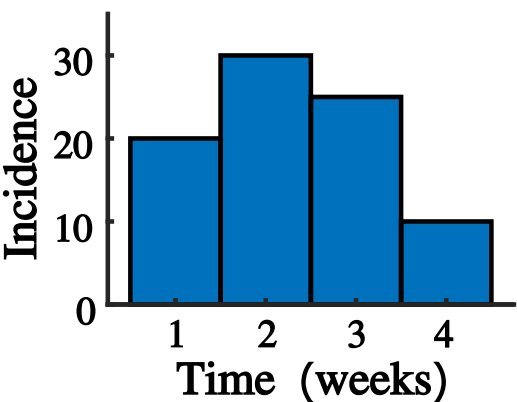


Approach 1: Cori method

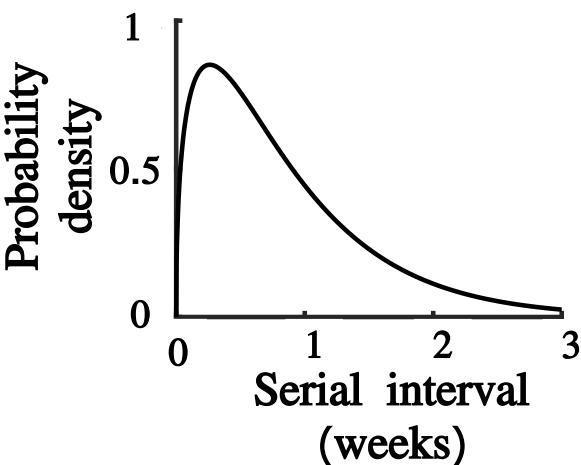
Idea: Use renewal equation to infer  $R_t$  each week

INPUTS

Input 1: Disease incidence time series

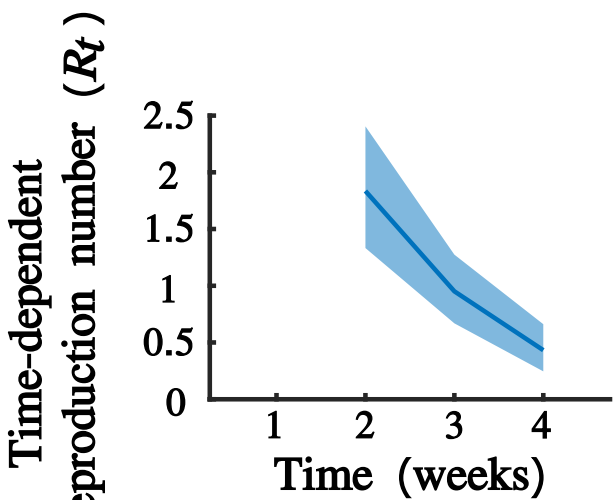


Input 2: Serial interval distribution

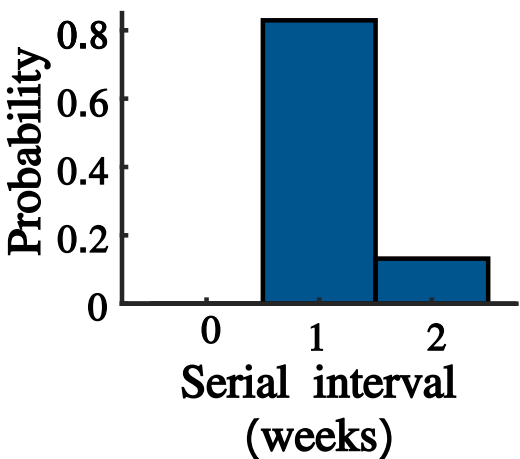


OUTPUT

Output: Estimated  $R_t$



Weekly discretisation of serial interval

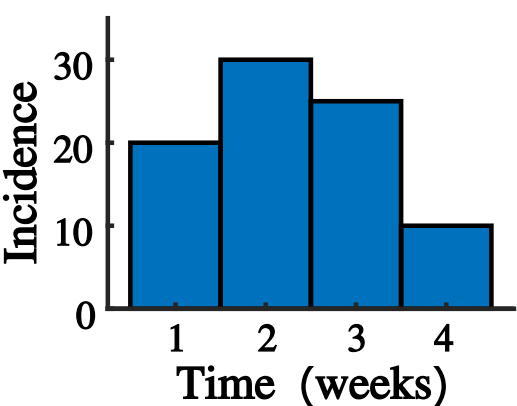


Approach 2: Simulation-based method

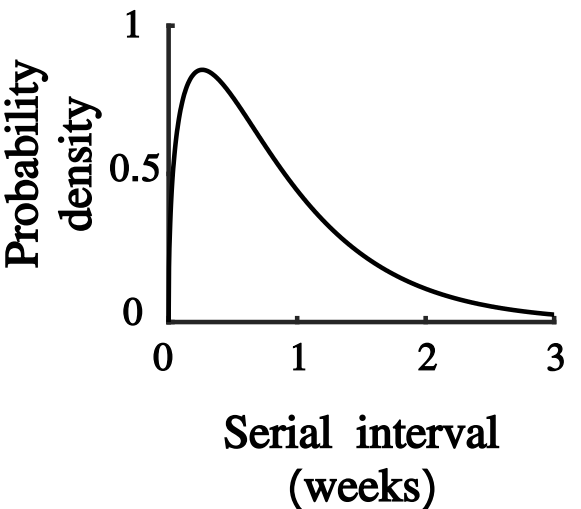
Idea: Match model simulations (at a finer temporal resolution) to the weekly data to infer  $R_t$

INPUTS

Input 1: Disease incidence time series

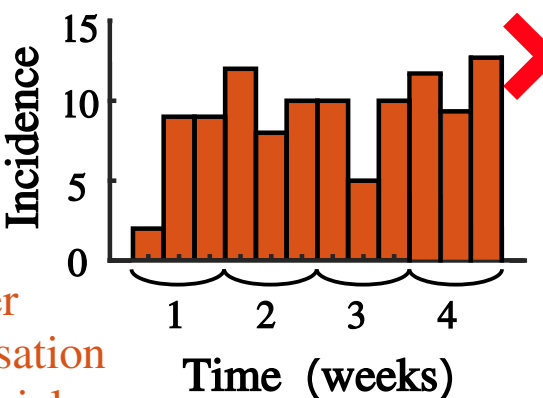
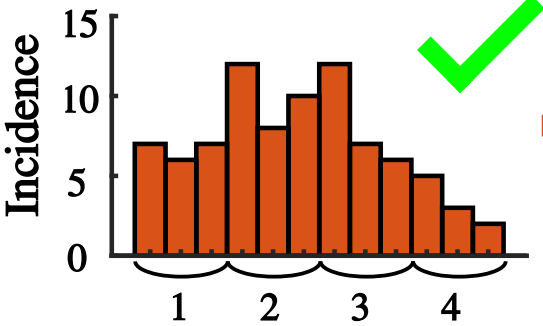
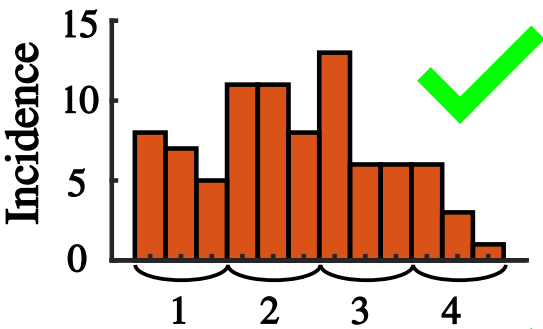
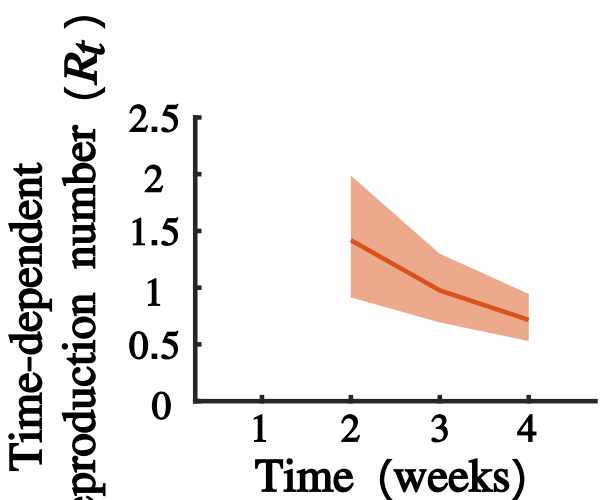


Input 2: Serial interval distribution



OUTPUT

Output: Estimated  $R_t$



Finer discretisation of serial interval

