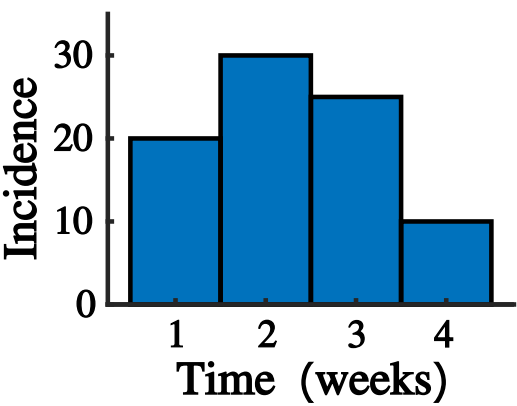**Approach 1: Cori method**
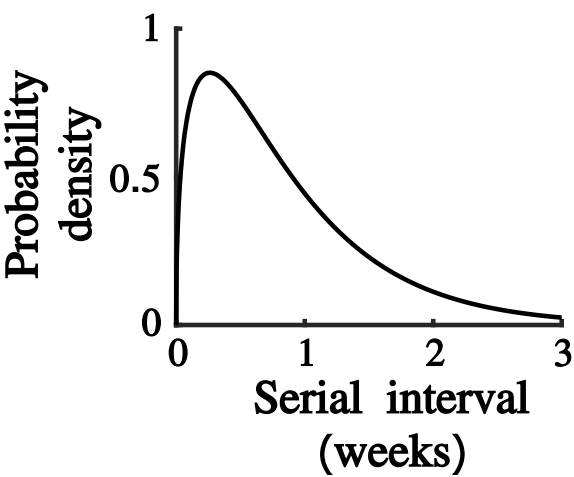
Idea: Use renewal equation to infer $R_t$ each week

**INPUTS**

Input 1: Disease incidence time series
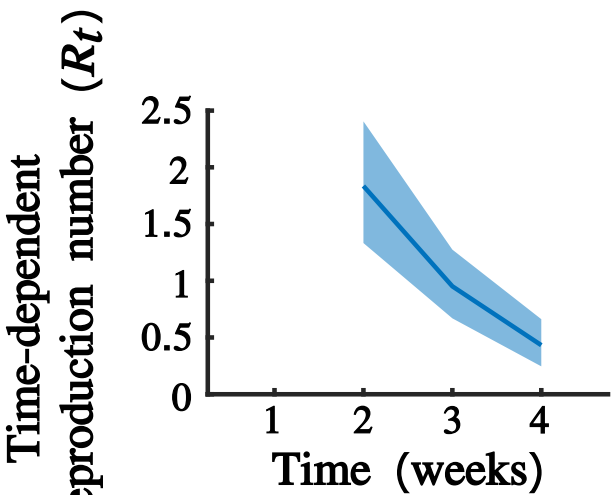
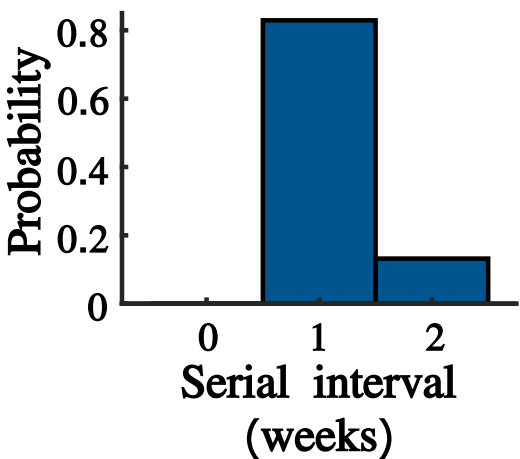Input 2: Serial interval distribution

*Weekly discretisation of serial interval*
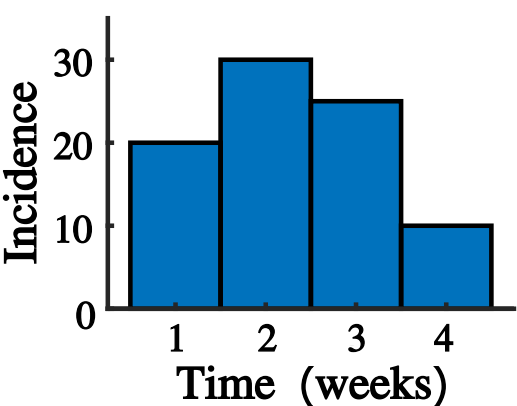
**OUTPUT**

Output: Estimated $R_t$
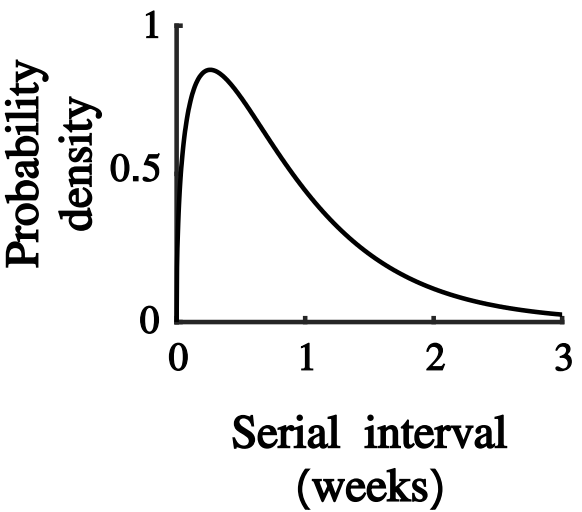
**Approach 2: Simulation-based method**

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

Finer discretisation of serial interval

**OUTPUT**

Output: Estimated $R_t$