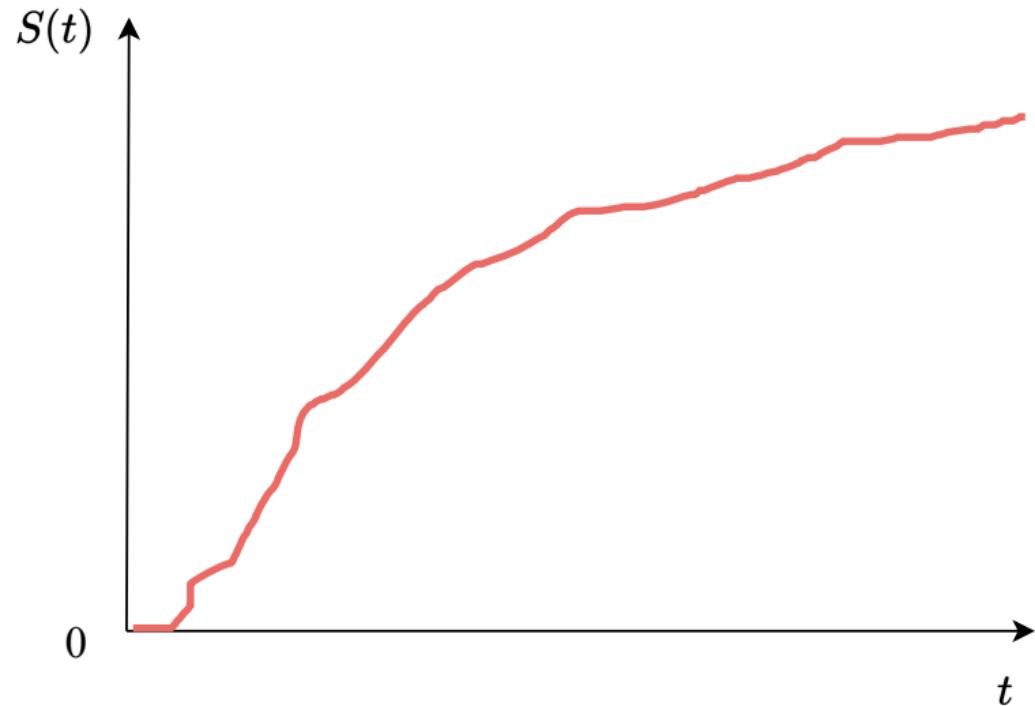


Gamma Process $\Gamma(t; \gamma, \lambda)$

Parameters are continuous, states are continuous. $S(t)$ is continuous (no jump)



The accumulated total amount until time t is $S(t)$

$$S(t + \Delta t) - S(t) \in (0, +\infty) \sim \Gamma(\gamma \Delta t, \lambda), \gamma > 0, t > 0$$