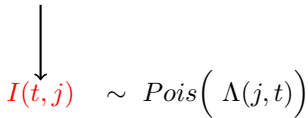


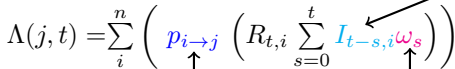
Number of cases at  $j$  at  $t$



A vertical arrow points from the text "Number of cases at  $j$  at  $t$ " down to the variable  $I(t, j)$  in the equation below.

$$I(t, j) \sim \text{Pois}(\Lambda(j, t))$$

Past Incidence



The equation for  $\Lambda(j, t)$  has three arrows pointing to its components: a blue arrow from "Probability of movement" to  $p_{i \rightarrow j}$ , a blue arrow from "Past Incidence" to  $I_{t-s, i}$ , and a magenta arrow from "Serial Interval" to  $\omega_s$ .

$$\Lambda(j, t) = \sum_i^n \left( p_{i \rightarrow j} \left( R_{t, i} \sum_{s=0}^t I_{t-s, i} \omega_s \right) \right)$$

Probability of movement

Serial Interval