

Let us apply this to our two examples:

$$\begin{aligned} 1 - \lambda_{spite} &= \frac{N_{1+}(\text{spite}, \bullet)}{N_{1+}(\text{spite}, \bullet) + \sum_{w_n} c(\text{spite}, w_n)} \\ &= \frac{9}{9 + 993} = 0.00898 \end{aligned}$$

$$\begin{aligned} 1 - \lambda_{constant} &= \frac{N_{1+}(\text{constant}, \bullet)}{N_{1+}(\text{constant}, \bullet) + \sum_{w_n} c(\text{constant}, w_n)} \\ &= \frac{415}{415 + 993} = 0.29474 \end{aligned}$$