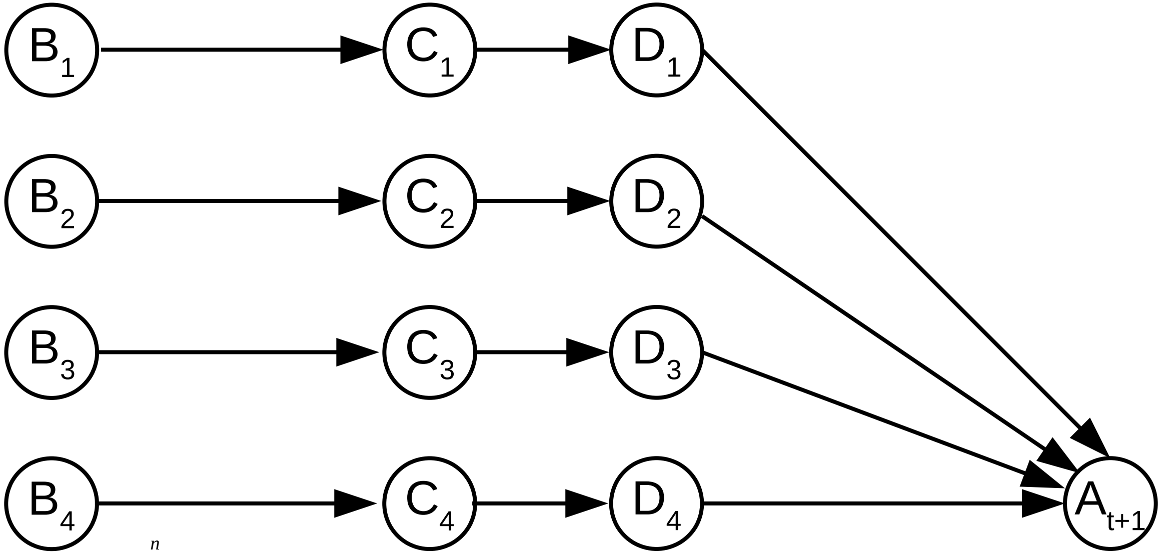
random-walk model



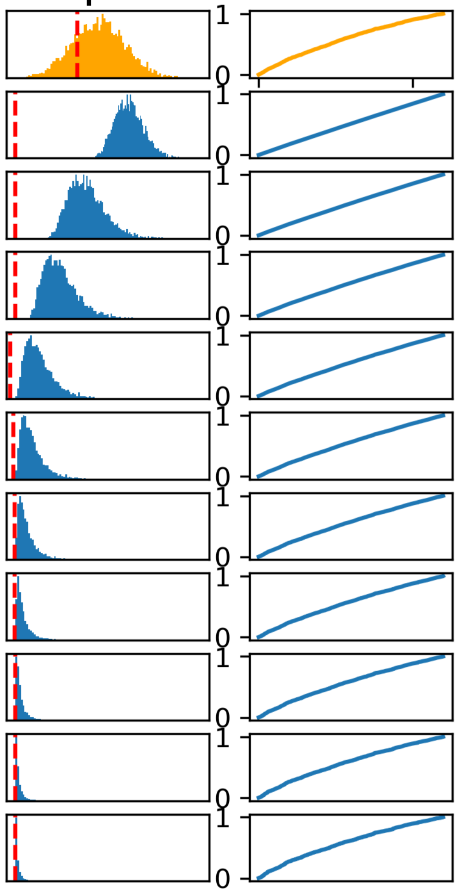
$$C=\frac{\sum_{i=1}^{n} A_i B_i}{\sqrt{\sum_{i=1}^{n} A_i^2}\cdot\sqrt{\sum_{i=1}^{n} B_i^2}}$$

lemmatize

$$D=\frac{e^{\beta\cdot C_i}}{\sum_{j\neq i} e^{\beta\cdot C_i}}$$

$\beta=0$

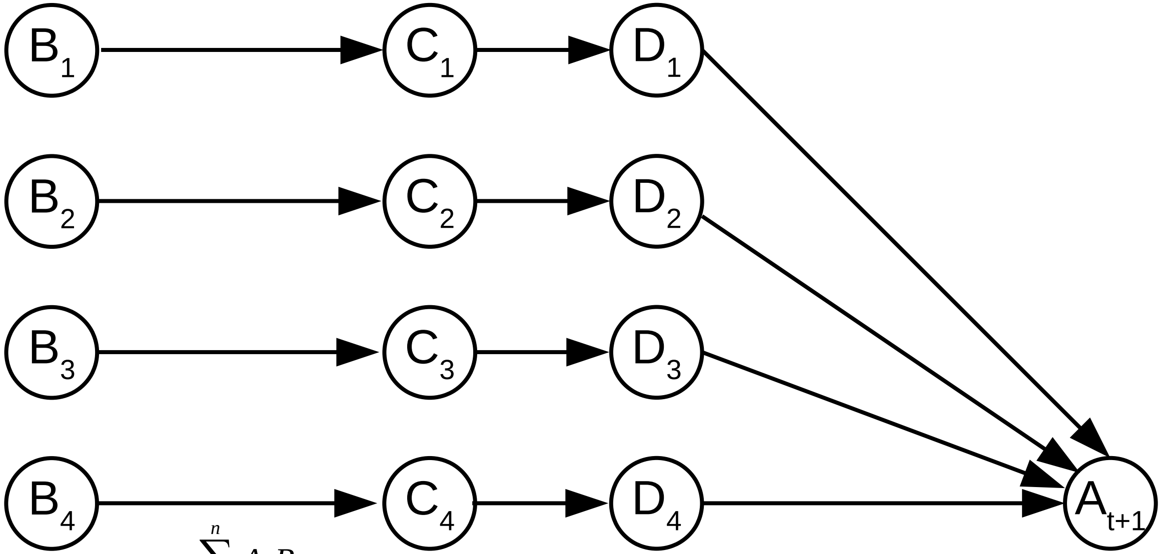
markov-walker model



$$D=\frac{C_i}{\sum_j C_j}$$

β = 1

β = 10

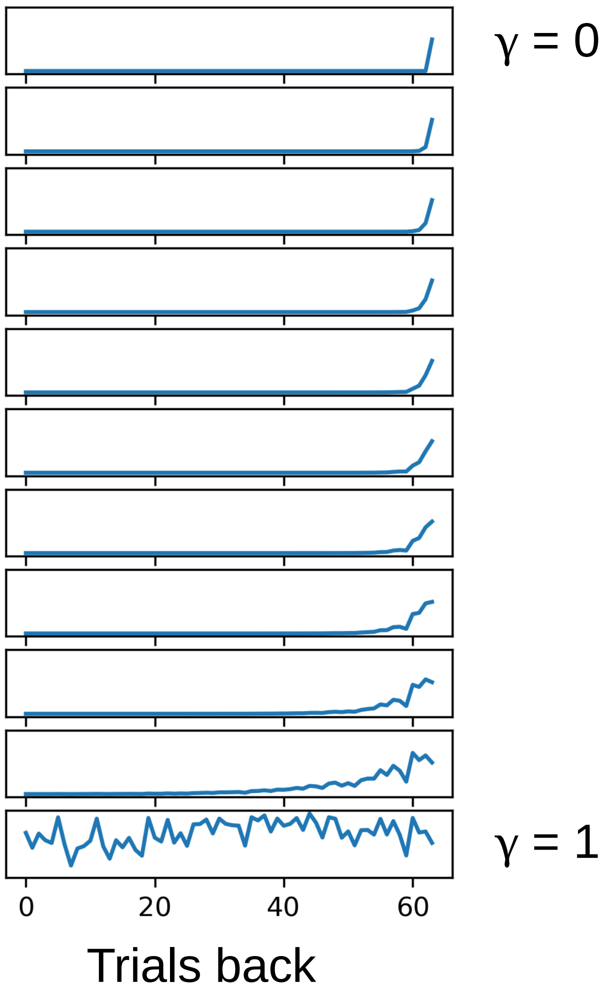


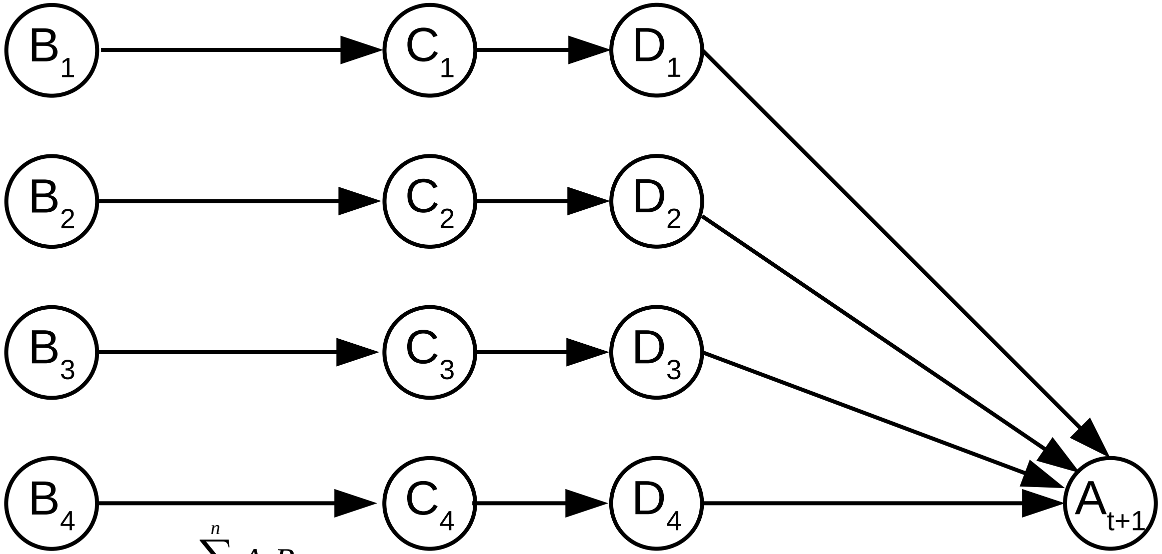
$$C=\frac{\sum_{i=1}^{n} A_i B_i}{\sqrt{\sum_{i=1}^{n} A_i^2}\cdot\sqrt{\sum_{i=1}^{n} B_i^2}}$$

lemmatize

$$D=\frac{e^{\beta\cdot C_i}}{\sum_{j\neq i} e^{\beta\cdot C_i}}$$

mem-walker model

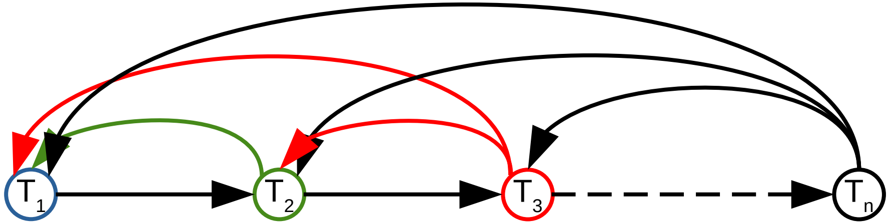




$$C=\frac{\sum_{i=1}^{n} A_i B_i}{\sqrt{\sum_{i=1}^{n} A_i^2}\cdot\sqrt{\sum_{i=1}^{n} B_i^2}}$$

lemmatize

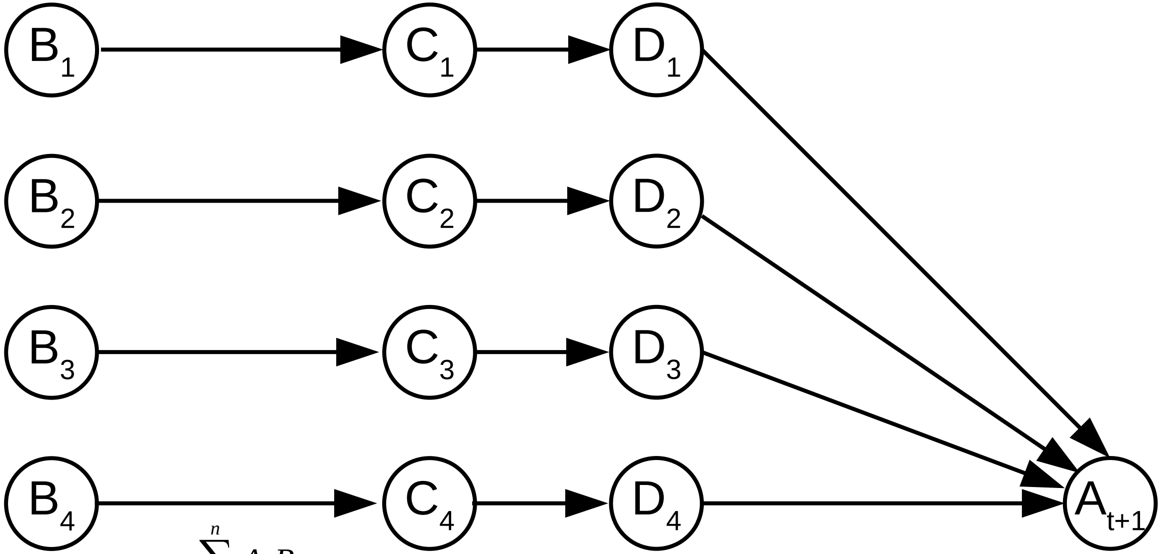
$$D=\frac{e^{\beta\cdot C_i^{'}}}{\sum_{j\neq i} e^{\beta\cdot C_i^{'}}}$$



$$C_t^{'}=\sum_{k=0}^{T} \gamma^{T-k}\cdot C_t$$

$$\gamma\in[0,1]$$

hybrid-walker model



$$C=\frac{\sum_{i=1}^{n} A_i B_i}{\sqrt{\sum_{i=1}^{n} A_i^2}\cdot\sqrt{\sum_{i=1}^{n} B_i^2}}$$

$$C_t^{'}=\sum_{k=0}^{T} \gamma^{T-k}\cdot C_t$$
$$\gamma\in[0,1]$$

$$M_t=\epsilon\cdot C_t^{'}+(1-\epsilon)\cdot C_t$$
$$\epsilon\in[0,1]$$

lemmatize

$$D=\frac{e^{\beta\cdot M_i}}{\sum_{j\neq i} e^{\beta\cdot M_i}}$$