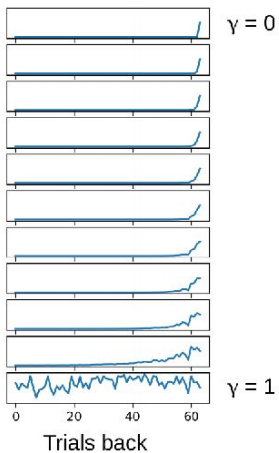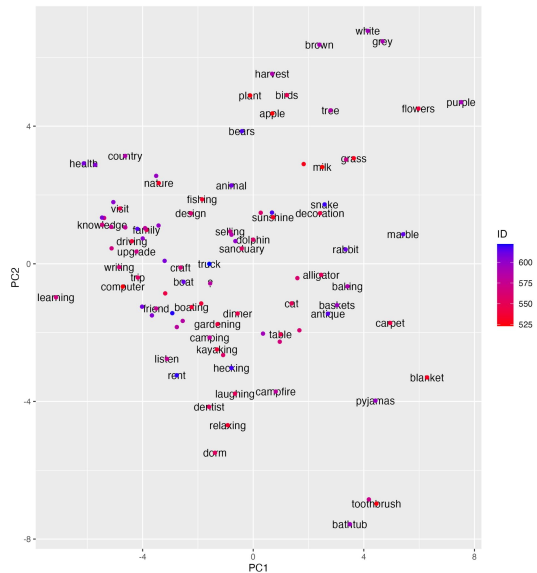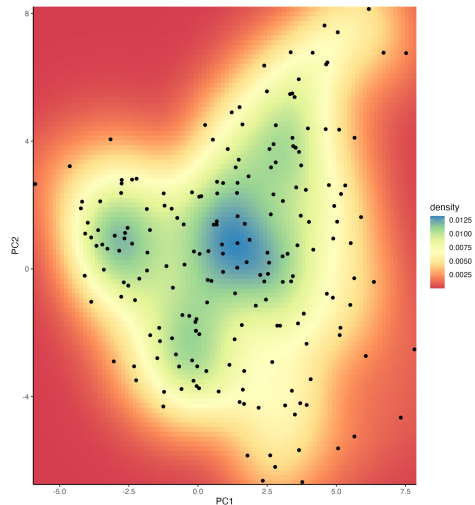# NLP models



## 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

$$D = \frac{e^{k \cdot C}}{\sum_{j=1} e^{j \cdot C}}$$

$$C_t = \sum_{k=0}^{T} \gamma^{T-n} \cdot C_t,$$
$$\gamma \in [0,1]$$

Trials back

$\gamma = 0$

$\gamma = 1$