

Measuring Context Similarity

$\text{Sim}(\text{"Cat"}, \text{"Dog"}) =$

$\text{Sim}(\text{Left1}(\text{"cat"}), \text{Left1}(\text{"dog"}))$

$+ \text{Sim}(\text{Right1}(\text{"cat"}), \text{Right1}(\text{"dog"})) +$

...

$+ \text{Sim}(\text{Window8}(\text{"cat"}), \text{Window8}(\text{"dog"})) = ?$

High $\text{sim}(\text{word1}, \text{word2})$

→ word1 and word2 are **paradigmatically related**