

## Model Output for: "The cat \_"

$P(\text{sat}) = 0.45$

$P(\text{is}) = 0.30$

$P(\text{jumped}) = 0.25$

$P(\text{walked}) = 0.12$

*Top 3 candidates (85% of probability mass)*

$P(\text{sleeping}) = 0.08$

$P(\text{ran}) = 0.05$

$P(\text{meowed}) = 0.03$

...

**Total vocabulary: 50,000 words**

*Challenge: Which word do we pick?*

