

## N-gram Extraction

Unigrams:



Bigrams:



Trigrams:



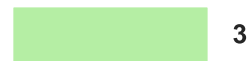
## Probability Calculation

$P(\text{jumps} \mid \text{brown fox})$

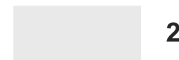
brown fox



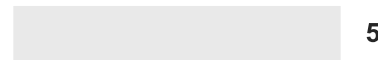
... jumps



... runs



... walks



$$P(\text{jumps} \mid \text{brown fox}) = \frac{3}{10} = 0.3$$