A Simple POS HMM
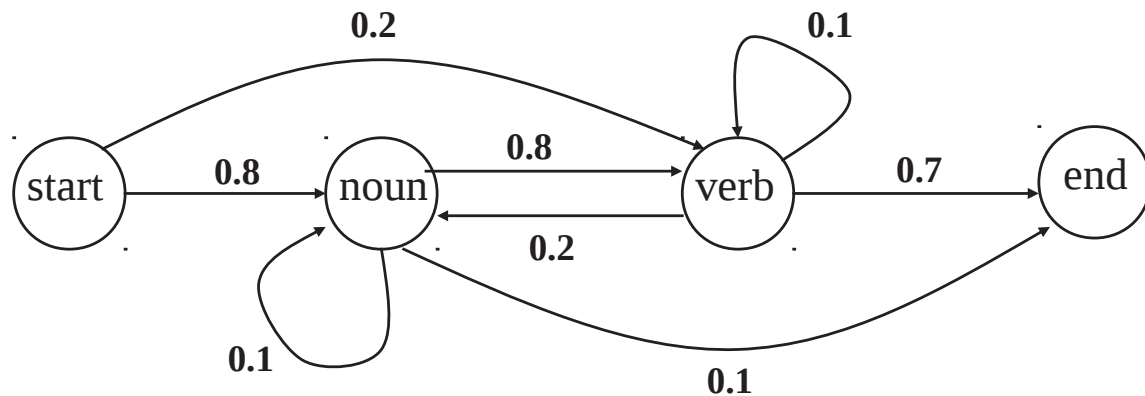

Word Emission Probabilities
P (word | state)

- A two-word language: "fish" and "sleep"
- Suppose in our training corpus,
    - "fish" appears 8 times as a noun and 5 times as a verb
    - "sleep" appears twice as a noun and 5 times as a verb
- Emission probabilities:
    - Noun
        - P(fish | noun) :   0.8
        - P(sleep | noun) :   0.2
    - Verb
        - P(fish | verb) :   0.5
        - P(sleep | verb) :   0.5