

CSCI 5832
Natural Language
Processing

Lecture 8
Jim Martin

Today 2/8

- **Review N-Grams**
- **Entropy/Models**
- **Parts of Speech and Tagging**

N-Gram Models

- **Assigning probabilities to sequences by**
 - Using the chain rule to decompose the problem
 - Make some conditional independence assumptions to simplify things
 - Use smoothing and backoff to massage the counts into something that works.