Random Text Generation: n-gram

- Given a text source (book)
  
  this history of mish mash
  is a bit tristy.

- Pick an n-gram (random string length n)
  - This will start generation of random text that is similar in feel to the original text

- Example: 2-gram from above: is

Predictors

- What are predictors for “is”?
  
  this history of mish mash
  is a bit tristy.

- Predictors: “ “ t, h, “ “

- Pick one of them and add on to predictor

- Say t is picked

- “ist”

- Use last n-1 char plus chosen letter as new predictor.
Generating random Text

• Ngram “is” – predictors(“ “ t, h, “ “, t)
  – Pick t     - result is “ist”
• Ngram “st” – predictors(o, y)
  – Pick o – result is “isto”
• Ngram “to” – predictors (r)
  – Pick r result is “istor”

Classwork Today

• Generate Random Text using ngrams