























Г	ags 3: Tagged Cor	pora		
The/at Pant original/jj f an/at arch forms/vbz diameter/t from/in th only/ap m twenty-nin stupendou	heon's/np\$ interior/nn ,/, stil orm/nn ,/, is/bez truly/ql ma iitectural/jj triumph/nn ./. Its a/at perfect/jj circle/nn who nn is/bez equal/jj to/in the/a e/at floor/nn to/in the/at ceil eans/nn of/in interior/jj light re-foot-wide/jj aperture/nn in is/jj dome/nn ./.	II/rb in/in its/pp\$ ajestic/jj and/cc s/pp\$ rotunda/nn ose/wp\$ at height/nn ing/nn ./. The/at /nn is/bez the/at v/in the/at		
Source: Brown Corpus (nltk/data/brown/cf41)				
	Introduction to NLTK part 1	Euromasters SS		

Another kind of tagging: Sense Tagging

- The Pantheon's interior/a , still in its original/a form/a ,
- interior: (a) inside a space; (b) inside a country and at a distance from the coast or border; (c) domestic; (d) private.
- original: (a) relating to the beginning of something; (b) novel; (c) that from which a copy is made; (d) mentally ill or eccentric.

form: (a) definite shape or appearance; (b) body; (c) mould; (d) particular structural character exhibited by something; (e) a style as in music, art or literature; (f) homogenous polynomial in two or more variables;









Verb Tags			
VBP base present	take		
VB infinitive	take		
VBD past	took		
VBG present participle	taking		
VBN past participle	taken		
VBZ present 3sg	takes		
MD modal	can, would		
intro	duction to NLTK part 1	Euromasters SS Trevor Cohn	





































Estimating P(text)

 $- \mathsf{P}(\mathsf{w}_{1}...\mathsf{w}_{n}) = \mathsf{P}(\mathsf{w}_{n}\mathsf{I}\mathsf{w}_{1}...\mathsf{w}_{n-1}) \mathsf{P}(\mathsf{w}_{n-1}|\mathsf{w}_{1}...\mathsf{w}_{n-2}) \ ... \mathsf{P}(\mathsf{w}_{2}\mathsf{I}\mathsf{w}_{1})$ - $P(w_n l w_1, ..., w_{n-1})$ has a large sample space

- . Divide $\mathsf{P}(\mathsf{w_n}\mathsf{lw_1},\,...,\,\mathsf{w_{n-1}})$ into equivalence classes - Example: $P(w_n | w_1, ..., w_{n-1}) \cong P(w_n | w_{n-1})$
- . Estimate the probability of each equivalence class
 - Training data
 - Count the number of training instances in each equivalence class
 - Use these counts to estimate the probability for each
 - equivalence class









