Parts of speech (POS)

Noun	names	girl, dog, prestige
Verb	Action	swim, become
Pronoun	Used for noun	I, you, we, they
Adverb	Modifies V, Adj, Adv	happily, extremely
Adjective	Modifies noun	sad, clever
Conjunction	Joins two things	and, but, while, whereas
Preposition	Relation of noun	to, from, into
Interjection	An outcry	ouch, oh, alas

Tag	Description	Example	Tag	Description	Example
CC	coordin. conjunction	and, but, or	SYM	symbol	+,%,&
CD	cardinal number	one, two	TO	"to"	to
DT	determiner	a, the	UH	interjection	ah, oops
EX	existential 'there'	there	VB	verb base form	eat
FW	foreign word	mea culpa	VBD	verb past tense	ate
IN	preposition/sub-conj	of, in, by	VBG	verb gerund	eating
IJ	adjective	yellow	VBN	verb past participle	eaten
JJR	adj., comparative	bigger	VBP	verb non-3sg pres	eat
JJS	adj., superlative	wildest	VBZ	verb 3sg pres	eats
LS	list item marker	1, 2, One	WDT	wh-determiner	which, that
MD	modal	can, should	WP	wh-pronoun	what, who
NN	noun, sing. or mass	llama	WP\$	possessive wh-	whose
NNS	noun, plural	llamas	WRB	wh-adverb	how, where
NNP	proper noun, sing.	IBM	\$	dollar sign	\$
NNPS	proper noun, plural	Carolinas	#	pound sign	#
PDT	predeterminer	all, both	66	left quote	" or "
POS	possessive ending	's	"	right quote	or"
PRP	personal pronoun	I, you, he	(left parenthesis	[, (, {, <
PRP\$	possessive pronoun	your, one's)	right parenthesis],), }, >
RB	adverb	quickly, never	,	comma	,
RBR	adverb, comparative	faster		sentence-final punc	.!?
RBS	adverb, superlative	fastest	:	mid-sentence punc	: ;
RP	particle	up, off			

Figure 10.1 Penn Treebank part-of-speech tags (including punctuation).

Parts of speech (POS)

Noun
Verb
Pronoun
Adverb
Adjective
Conjunction
Preposition
Interjection

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NLU post 2010, meet the Muppets

- End-to-end modeling with no explicit syntactic representation
 - Neural networks pertained on very large text corpora where goal is to predict words given then context (i.e., surrounding words).
 - Transfer / few shot learning to fine tune on downstream tasks
 - This course primarily focuses on neural-based approaches

