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from textblob import TextBlob

blob = TextBlob("Internet is a great place to learn data science. It helps community throug
h blogs, hackathons, discussions, etc.")

#Tokenization
sent = blob.sentences
words = blob.words

#Part-of-speech tagging
pos = blob.tags

#Noun Phrase Extraction
npe = blob.noun_phrases

#Sentiment Analysis
test1 = TextBlob("I hate You")
test2 = TextBlob("I love You")
sentiment1 = test1.sentiment
sentiment2 = test2.sentiment

#Words Inflection and Lemmatization
sentence = TextBlob("Use 4 spaces per indentation level.")
singular = sentence.words.singularize()
plural  = sentence.words.pluralize()

from textblob import Word
w = Word('went')
lemm = w.lemmatize('v') # Pass in WordNet part of speech (verb)

#WordNet Integration
from textblob.wordnet import VERB
word = Word("computer")
synsets_computer =  word.synsets

#You can also create synsets directly.
from textblob.wordnet import Synset
computer = Synset('pc.n.01')

#Spelling Correction
sent = TextBlob("I haawve goood speling")
correct_sent = sent.correct()

w = Word("haave")
spellcheck = w.spellcheck()

#Get Word and Noun Phrase Frequencies
words = TextBlob('We are no longer together. We are enemies now.')
word_counts = words.word_counts
#You can specify whether or not the search should be case-sensitive (default is False).

#Translation and Language Detection
en_blob = TextBlob("You are my best friend")
pl_blob = en_blob.translate(to='pl')

blob = TextBlob("Mam na imiÄ\231 Piotr")
detected_lang = blob.detect_language()

#Parsing
text = TextBlob('I know You')
text_parse = text.parse()

#string
text = TextBlob("Hello World")
upper_text = text.upper()
find_world = text.find("World")

#ngrams
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blob = TextBlob("Now is better than never.")
ngram = blob.ngrams(n=3)
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