

▼ NLP Basics: What is Natural Language Processing & the Natural Language Toolkit?

+ Code

+ Text

How to install NLTK on your local machine

Both sets of instructions below assume you already have Python installed. These instructions are taken directly from <http://www.nltk.org/install.html>.

Mac/Unix

From the terminal:

1. Install NLTK: run `pip install -U nltk`
2. Test installation: run `python` then type `import nltk`

Windows

1. Install NLTK: <http://pypi.python.org/pypi/nltk>
2. Test installation: Start>Python35, then type `import nltk`

▼ Download NLTK data

```
import nltk
nltk.download()
```

```
showing info https://raw.githubusercontent.com/nltk/nltk\_data/gh-pages/index.xml
True
```

```
dir(nltk)
```

```
['AbstractLazySequence',
 'AffixTagger',
 'AlignedSent',
 'Alignment',
 'AnnotationTask',
 'ApplicationExpression',
```

'Assignment',
'BigramAssocMeasures',
'BigramCollocationFinder',
'BigramTagger',
'BinaryMaxentFeatureEncoding',
'BlanklineTokenizer',
'BllipParser',
'BottomUpChartParser',
'BottomUpLeftCornerChartParser',
'BottomUpProbabilisticChartParser',
'Boxer',
'BrillTagger',
'BrillTaggerTrainer',
'CFG',
'CRFTagger',
'CfgReadingCommand',
'ChartParser',
'ChunkParserI',
'ChunkScore',
'ClassifierBasedPOSTagger',
'ClassifierBasedTagger',
'ClassifierI',
'ConcordanceIndex',
'ConditionalExponentialClassifier',
'ConditionalFreqDist',
'ConditionalProbDist',
'ConditionalProbDistI',
'ConfusionMatrix',
'ContextIndex',
'ContextTagger',
'ContingencyMeasures',
'CoreNLPPependencyParser',
'CoreNLPParser',
'Counter',
'CrossValidationProbDist',
'DRS',
'DecisionTreeClassifier',
'DefaultTagger',
'DependencyEvaluator',
'DependencyGrammar',
'DependencyGraph',
'DependencyProduction',
'DictionaryConditionalProbDist',
'DictionaryProbDist',
'DiscourseTester',
'DrtExpression',
'DrtGlueReadingCommand',

```
'ELEProbDist',  
'EarleyChartParser',  
'Expression',  
'FStructure',  
'FeatDict'
```

▼ What can you do with NLTK?

```
from nltk.corpus import stopwords
```

```
stopwords.words('english')[0:500:25]
```

```
['i', 'herself', 'been', 'with', 'here', 'very', 'doesn', 'won']
```