

Natural Language Processing Part 2

To learn everything you need to know about spaCy, take a look at the documentation:

<https://spacy.io/usage/spacy-101>

Do not forget to check the Notebook of this tutorial to see the examples.

Dependency parse

A very cool feature is displaCy, to visualize a dependency parse or named entities in a sentence.

```
from spacy import displacy
```

To visualize a dependency parse:

```
displacy.render(doc, style='dep', jupyter=True)
```

To visualize named entities:

```
displacy.render(doc, style='ent', jupyter=True)
```

Remember that you have to define 'doc' before.

Here you can see the documentation of displaCy:

<https://spacy.io/usage/visualizers>

Entity Recognition

These are the types that spaCy can recognize.

TYPE	DESCRIPTION
PERSON	People, including fictional.
NORP	Nationalities or religious or political groups.
FAC	Buildings, airports, highways, bridges, etc.
ORG	Companies, agencies, institutions, etc.
GPE	Countries, cities, states.
LOC	Non-GPE locations, mountain ranges, bodies of water.
PRODUCT	Objects, vehicles, foods, etc. (Not services.)
EVENT	Named hurricanes, battles, wars, sports events, etc.
WORK_OF_ART	Titles of books, songs, etc.
LAW	Named documents made into laws.
LANGUAGE	Any named language.
DATE	Absolute or relative dates or periods.
TIME	Times smaller than a day.
PERCENT	Percentage, including "%".
MONEY	Monetary values, including unit.
QUANTITY	Measurements, as of weight or distance.
ORDINAL	"first", "second", etc.
CARDINAL	Numerals that do not fall under another type.