

NLP Project 1, Part 3

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November 16, 2015

1 GENERATE SENTENCE

Learn a bigram language model from the BROWN corpus was this result. There is a simple python function witch get a starting word to generate a sentence. You can find some example of generated sentences below:

```
(venv)vahid@kharazi:~/dev/nlp/one: python main.py q3
>>> generate('i')
i once left wing north alabama public bodies small quantity still fresh clothes
waited silently watched its maturity at once the sash .
>>> generate('my')
my time left wing north alabama public bodies small quantity still fresh clothes
waited silently watched its maturity at once left the sash .
>>> generate('why')
why spencer shook out once left wing north alabama public bodies small quantity
still fresh clothes waited silently watched its maturity at once the sash .
```

Trying to learn trigram language model was as simple as bigram; just we have to use `nlk.utils.ngram(n)`. here is a simple example to show result from the news category of BROWN corpus:

```
>>> generate('i')
```

i can't seem difficult by adult education are typical picture was tax-exempt income from buffalo , westfield young italian .

Generally we can find better result with trigram model, but it took little bit longer cause my weak test env.