Replace yourself with a very small shell script

Stefanie Schirmer @linse

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King James Programming.

King James Programming

Posts generated by a Markov chain trained on the King James Bible, Structure and Interpretation of Computer Programs, and Why's Poignant Guide to Ruby. Run by Michael Walker (barrucadu).

> @KJV_Programming @barrucadu @HackSoc Github KJP Rejects

13:30

But God raised him from the creation of still greater programs.

23 hours ago 35 notes

#kjv #bible #sicp #poignant guide #markov chains

And it shall come to pass, when he was strong, the great horn that is 12:16 between his eyes is the first element of dy

1 day ago 6 notes

#kjv #bible #sicp #poignant guide #markov chains

Moreover I will deliver the inhabitants of Jerusalem, so that the sum is performed iteratively.

2 days ago 27 notes

#kjv #bible #sicp #poignant guide #markov chains

Fortunately, learning to program is considerably less efficient because it performs redundant computation.

3 days ago 34 notes

#kjv #bible #sicp #poignant guide #markov chains

Then you ask yourself, "Wait a minute. I thought this was a burnt offering unto the LORD, We have sinned: do thou unto us all things that thou hast dreamed?

4 days ago 52 notes

#kjv #bible #sicp #poignant guide #markov chains

While you can have only one if and one else, you can fill the in-between with an exorbitant amount of cartoon foxes. And I will bring evil upon this place.

5 days ago 64 notes

#kjv #bible #sicp #poignant guide #markov chains

The Doom that came to Puppet

The Doom that Came to Puppet

Posts generated by a Markov chain trained on the Puppet documentation and the assorted works of H. P. Lovecraft. Created by

@branan using barrucadu/markov. Inspired by King James Programming.

"Replace "namegoeshere" with the function name, and even if the most drastic directions were not carried out, he must be placed where he could inflict no harm upon Charles Ward."

5 months ago

"Things-presences or voices of some sort-could be drawn down from unknown places as well as to standard out."

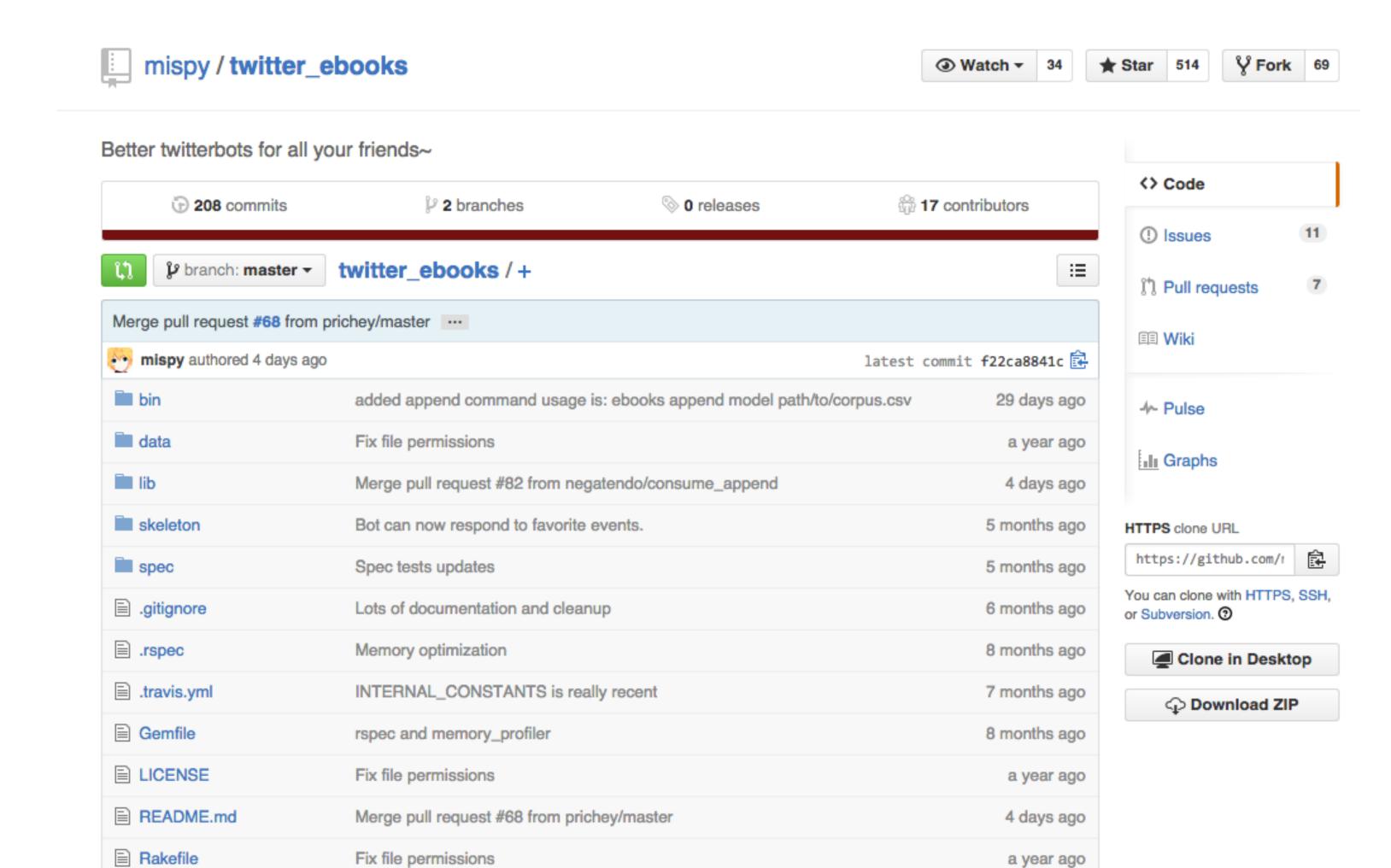
5 months ago

"Some of the upper levels were wholly vacant, but most of the space was filled with small odd-looking leaden jars of two general types; one tall and without handles like a Grecian lekythos or oil-jug, and the other with a single resource type"

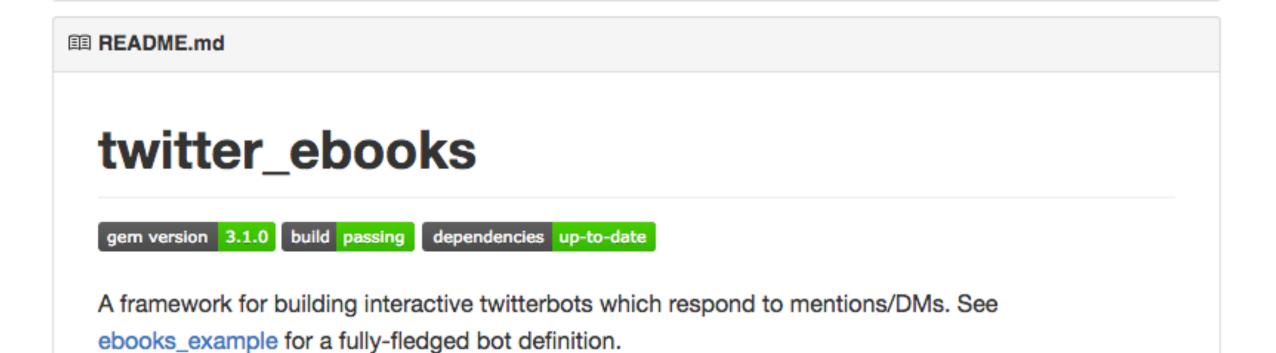
Ecovid Recruiter



The easy way

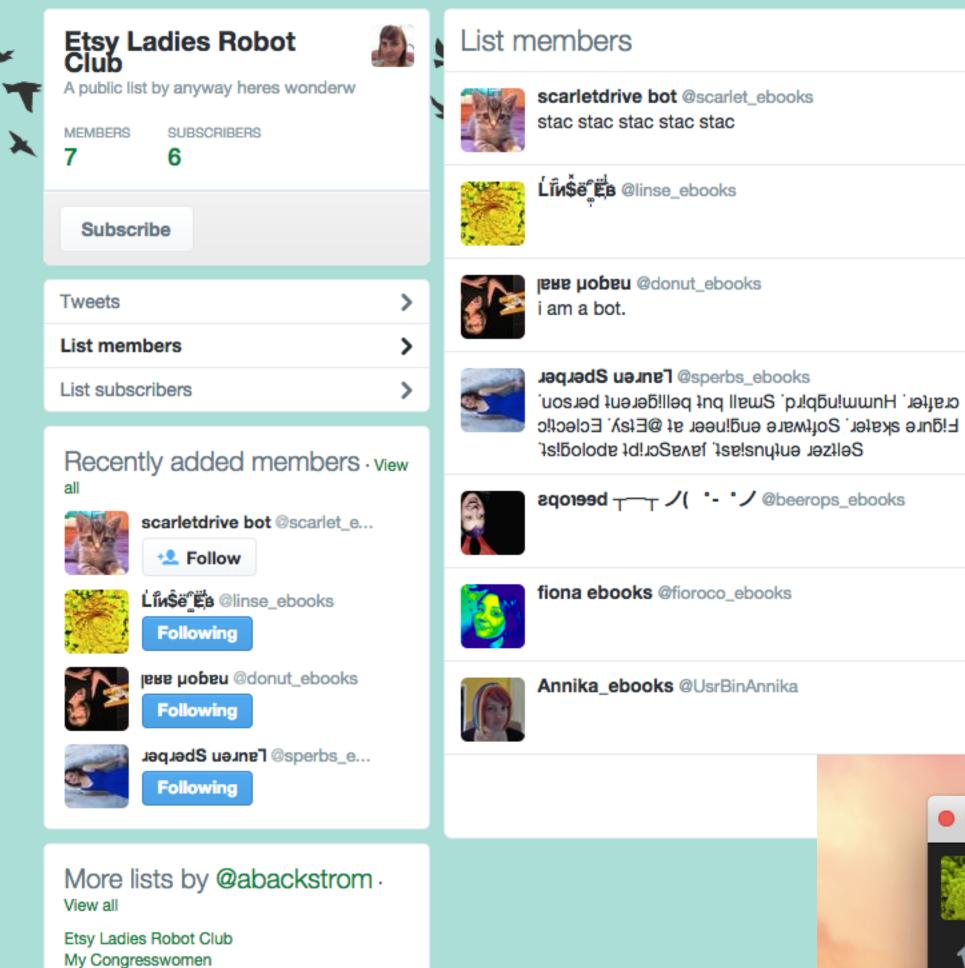


5 months ago



3.0.7 - remove eventmachine dependency

twitter_ebooks.gemspec



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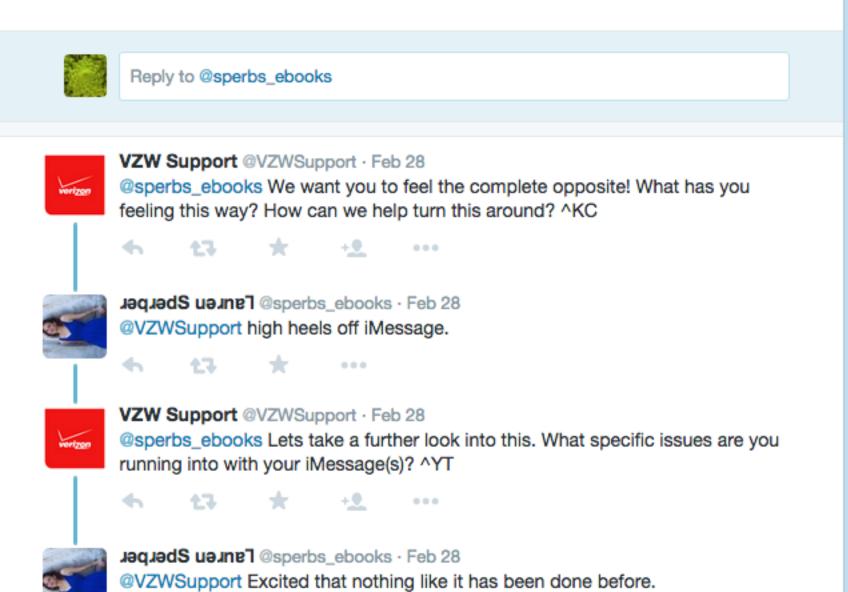


Following

You might deny it possible for any company to have worse customer service than Verizon?

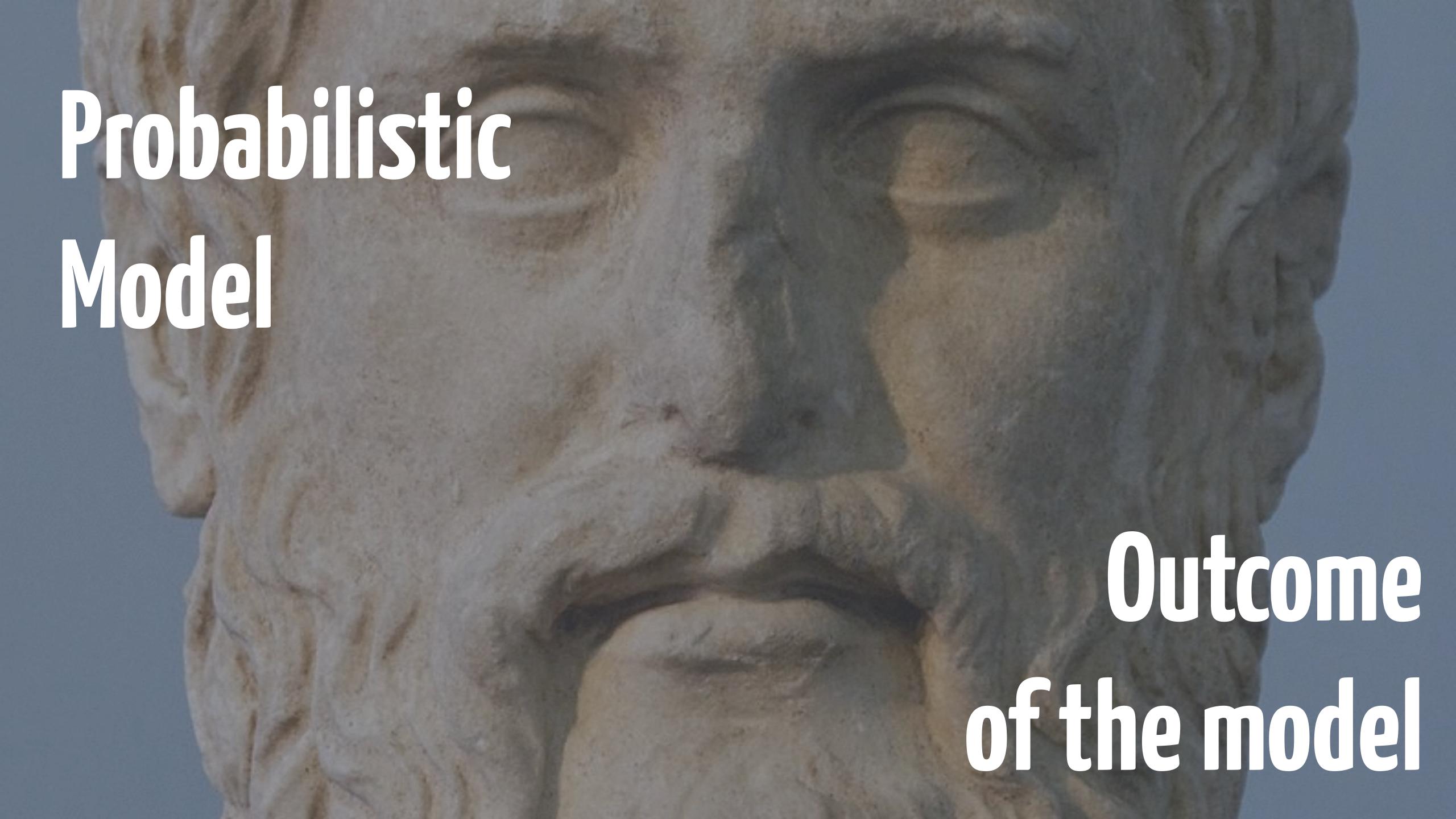


◆ 43 ★1 …



How does it work?

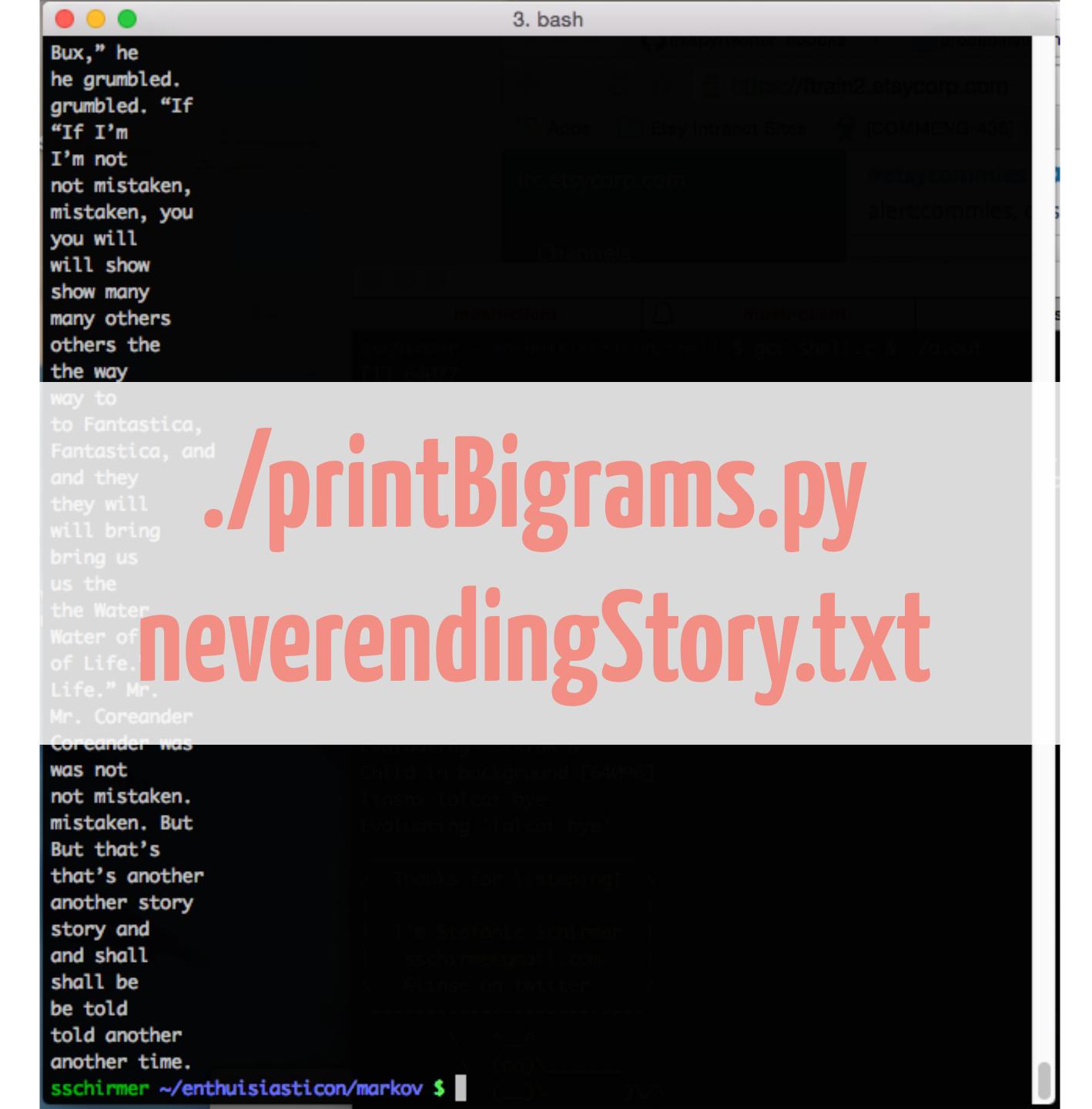
Plato: Ideas are hidden Real things are alla bit different



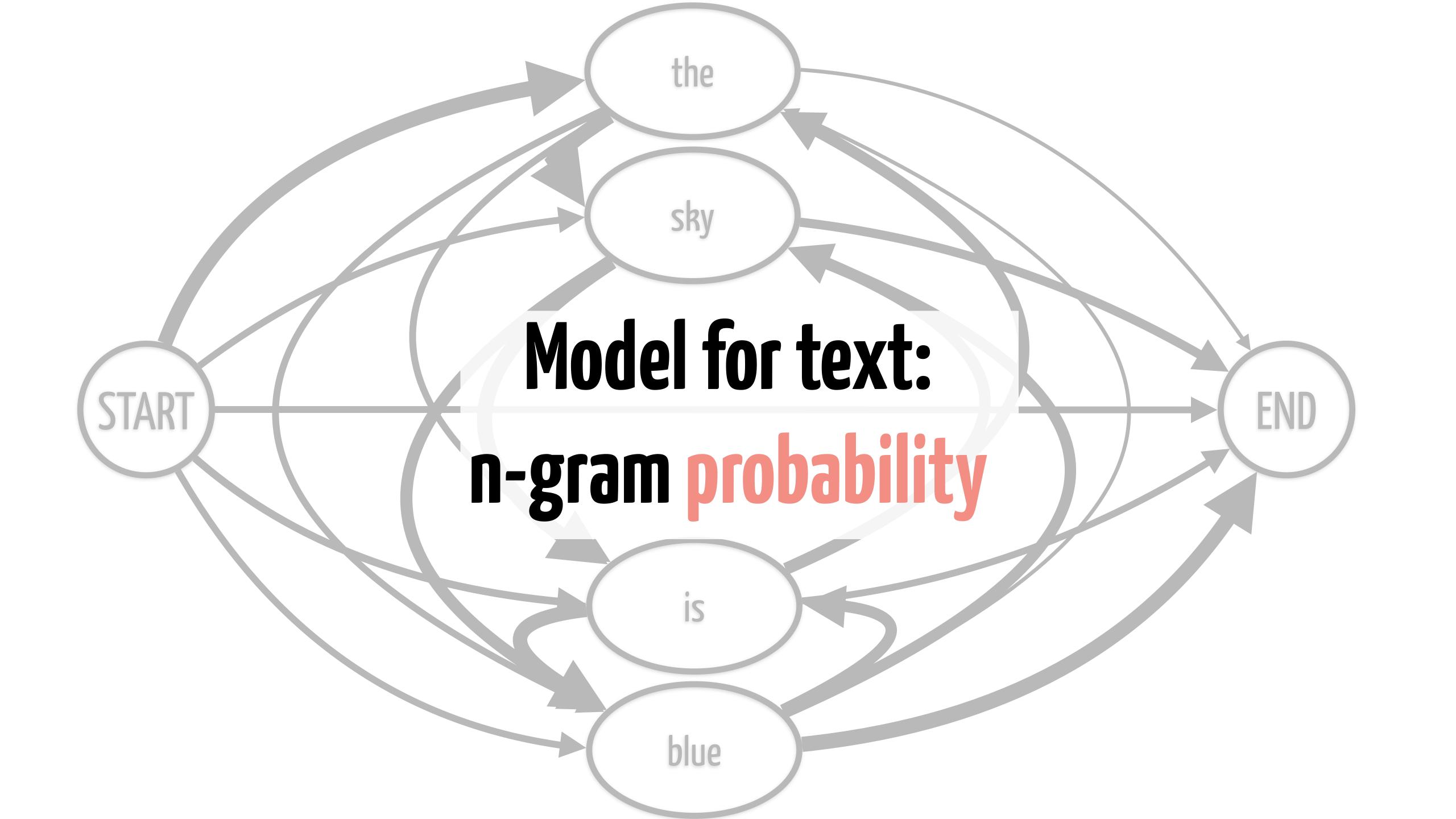
Model for text: n-gram probability

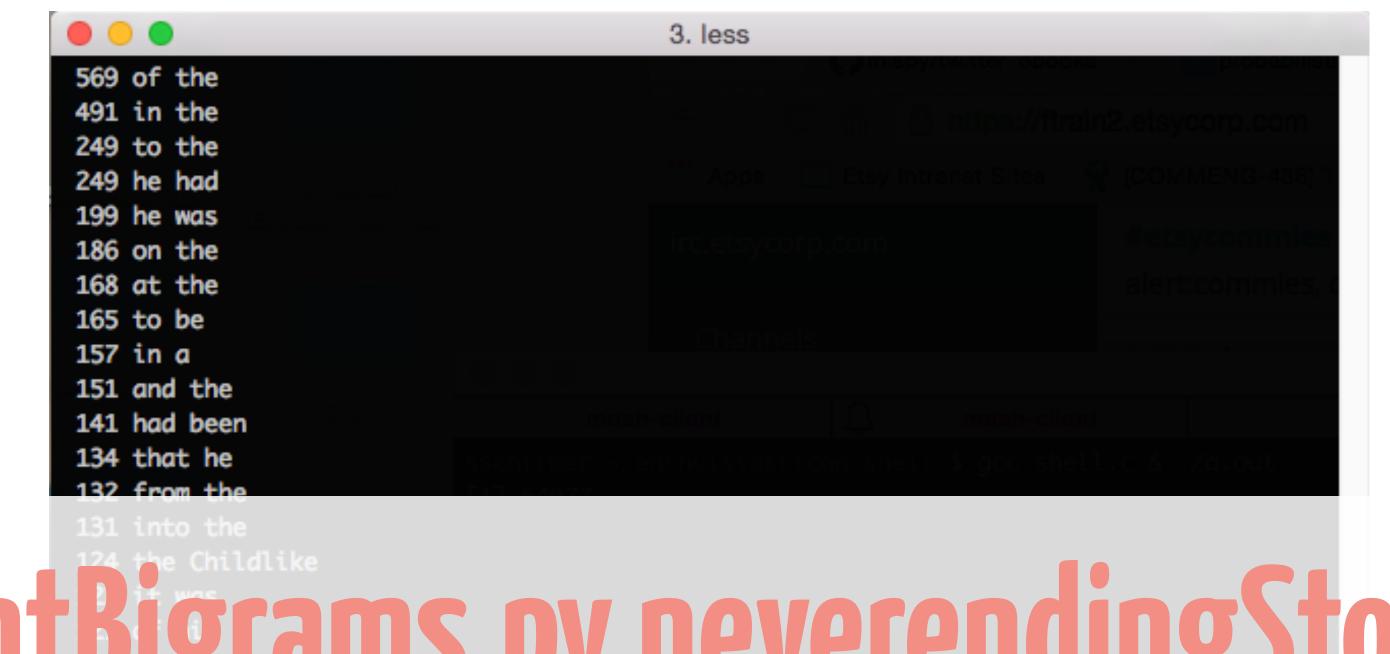
#!/usr/bin/python printBigrams.py

```
import sys
file = sys.argv[1]
previous = ''
with open (file) as f:
    for line in f:
        for word in line.split():
            if previous != '':
              print previous, word
            previous = word
```



Model for text: n-gram probability





./printBigrams.py neverendingStory.txt | Soft | Uniq -c | Sort -nr | less

```
95 there was
92 was a
90 with the
89 the same
89 Then he
84 with a
84 all the
83 said Bastian.
83 Childlike Empress
82 a long
80 they were
80 on his
79 have to
```

record bi-grams -> model check for sentences

```
def allBigrams(model,file):
    previous = ''
    with open(file) as f:
        for line in f:
            for word in line.split():
                if previous != '':
                    if previous.endswith(('.', '?', '!')):
                        model = addBigram(model, previous, 'END')
                        model = addBigram(model, 'START', word)
                    else:
                        model = addBigram(model, previous, word)
                previous = word
    return model
```

tecotq one pi-gram

```
def addBigram(model, first, second):
    if not first in model:
        model[first] = {}
    if not second in model[first]:
        model[first][second] = 1
    else:
        model[first][second] = model[first][second]+1
    return model
```



generate a sentence

```
def main():
    # 1. learn model
    model = \{\}
    # skip program name
    for file in sys.argv[1:]:
        model = allBigrams (model, file)
    # 2. generate
    state = 'START'
    while state != 'END':
        state = step(model, state)
```

find next word

```
def step(model, state):
    nextStates = model[state].items()
    nextState = weighted_choice(nextStates)
    if not nextState=='END':
        print nextState,
    return nextState
```

find next word

```
def weighted choice (choices):
    total = sum(w for word, w in choices)
    r = random.uniform(0, total)
    upto = 0
    for word, w in choices:
       if upto + w > r:
          return word
       upto += w
    assert False, "Shouldn't get here"
```

Let's try it out!

Thank you!

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