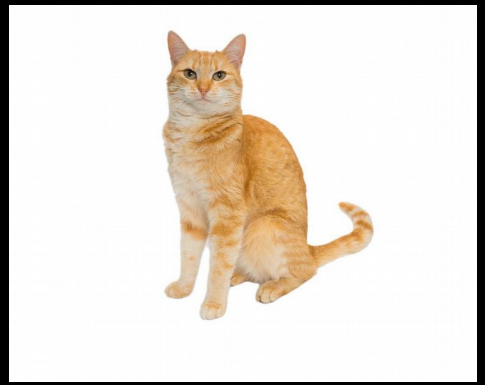
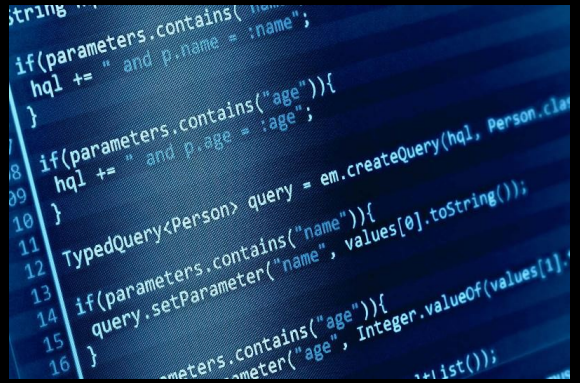
WORDS FOR THE FUTURE

I
A WORD ABOUT THE PUBLICATION

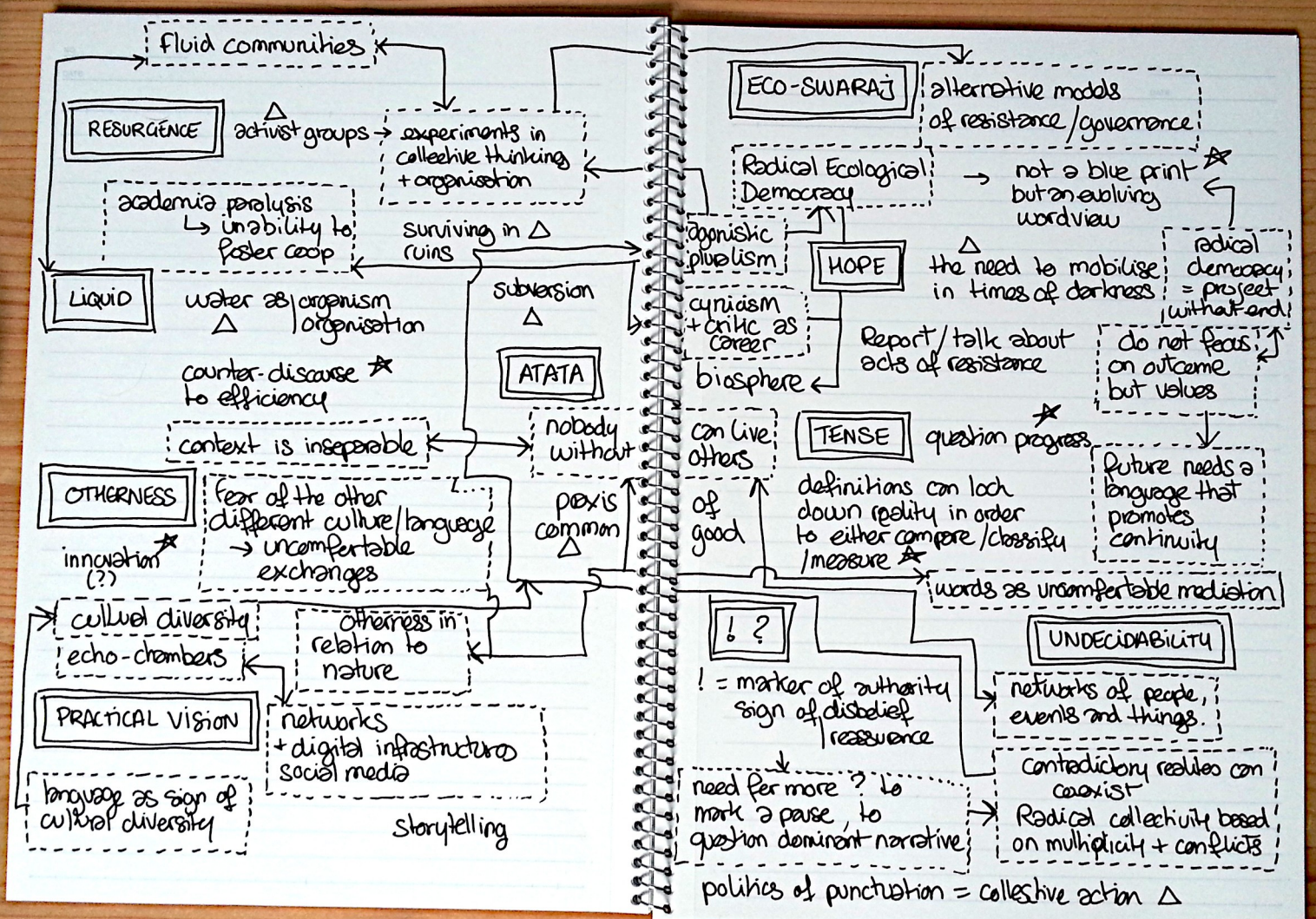
MAKING PUBLIC

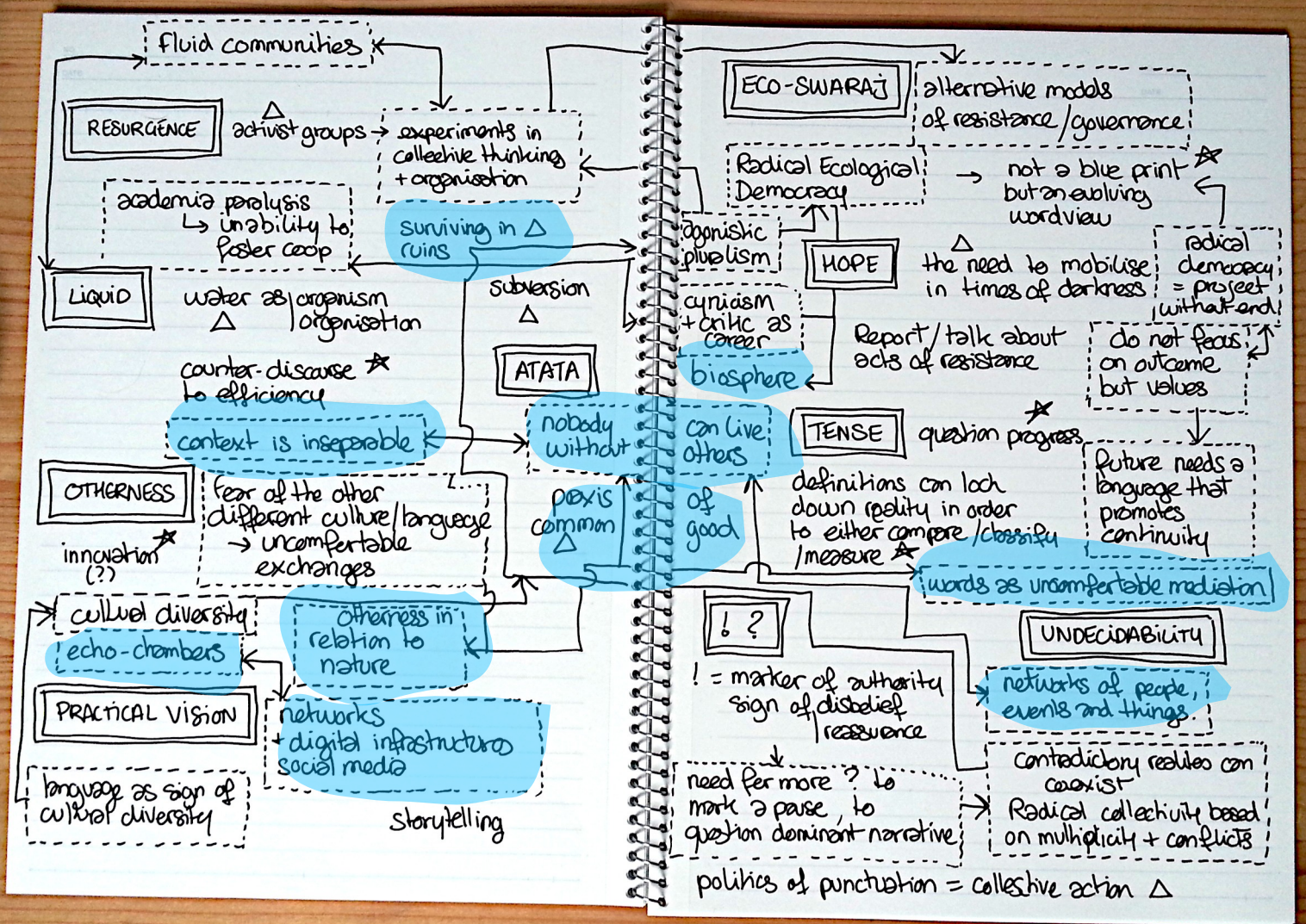



if(parameters.contains(
hql += " and p.name = :name";
}
if(parameters.contains("age")){
hql += " and p.age = :age";
}
TypedQuery<Person> query = em.createQuery(hql, Person.cla
if(parameters.contains("name")){
query.setParameter("name", values[0].toString());
}
meters.contains("age")){
meter("age", Integer.valueOf(values[1].
ist());

CREATING PUBLIC

II
A WORD ABOUT THE TEXTS


fluid communities
RESURGENCE
activist groups
experiments in collective thinking + organisation
academia paralysis
↳ inability to foster coop
surviving in ruins
LIQUID
water as organism / organisation
subversion
ATATA
counter-discourse to efficiency
context is inseparable
nobody without
can live others
OTHERNESS
fear of the other different culture/language → uncomfortable exchanges
innovation (?)
praxis common
of good
cultural diversity
echo-chambers
otherness in relation to nature
PRACTICAL VISION
networks + digital infrastructure social media
language as sign of cultural diversity
storytelling
ECO-SWARAJ
alternative models of resistance/governance
Radical Ecological Democracy
→ not a blue print but an evolving worldview
agonistic pluralism
HOPE
the need to mobilise in times of darkness
radical democracy = project without end
cynicism + critic as career
Report/talk about acts of resistance
biosphere
do not focus on outcome but values
TENSE
question progress
definitions can lock down reality in order to either compare/classify/measure
future needs a language that promotes continuity
words as uncomfortable mediation
! ?
UNDECIDABILITY
networks of people, events and things.
! = marker of authority sign of disbelief reassurence
need for more ? to mark a pause, to question dominant narrative
contradictory realities can coexist
Radical collectivity based on multiplicity + conflicts
politics of punctuation = collective action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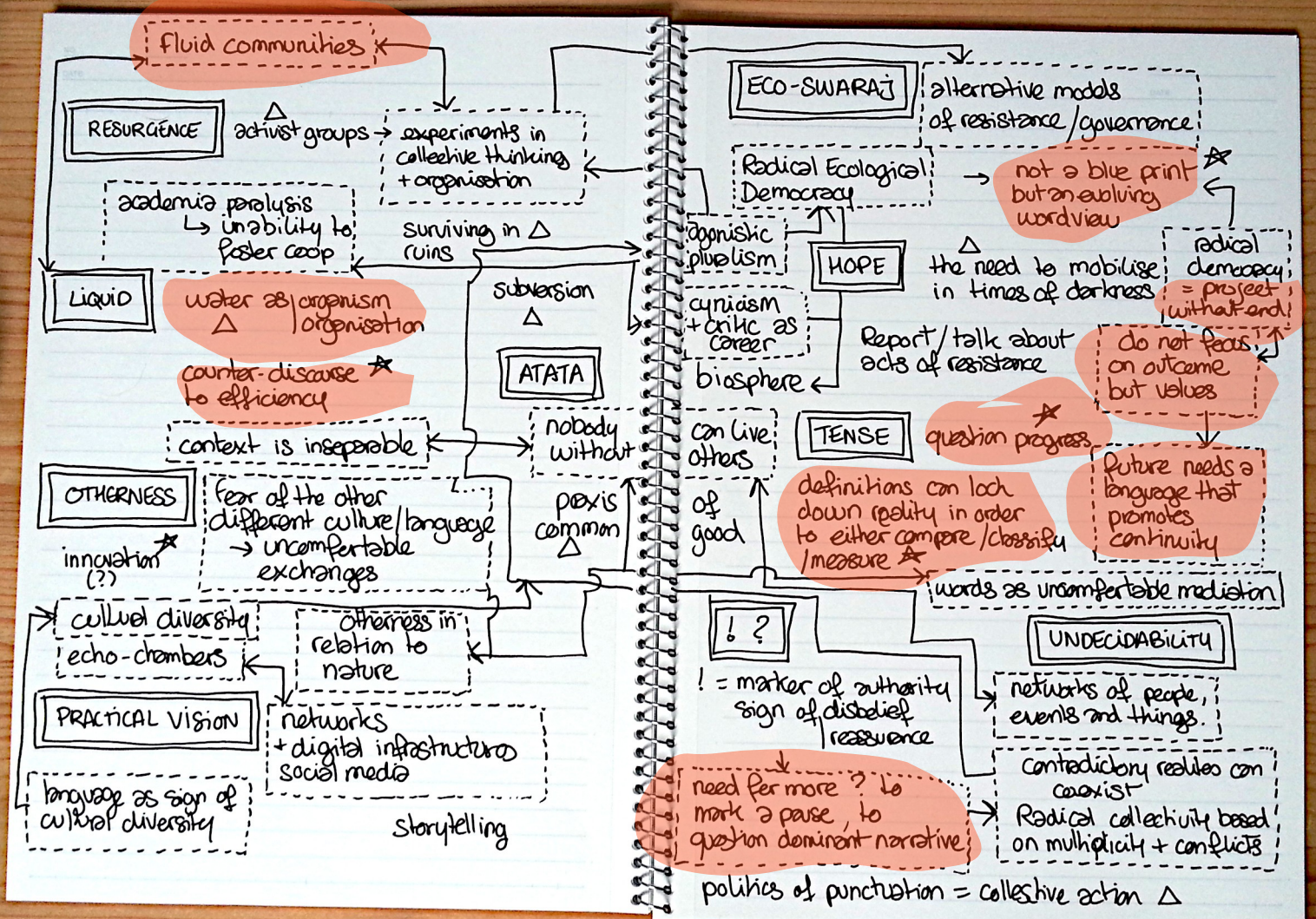
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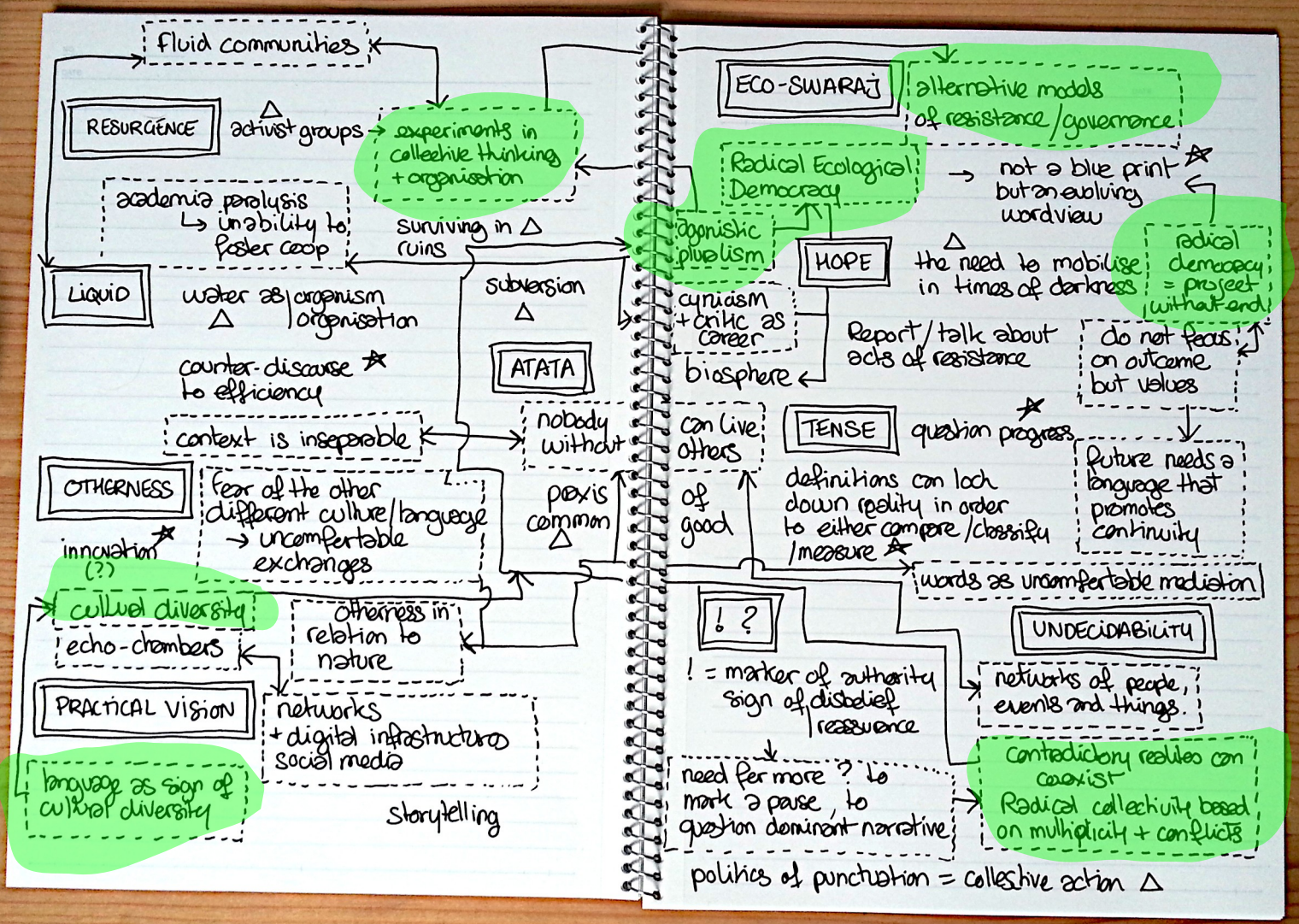
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III
A WORD ABOUT THE FUTURE

2
9564
WC
12:55 Amsterdam Centraal
GEZIEN DE FEITEN
GEZIEN DE FEITEN
GEZIEN DE FEITEN

MACHINE LEARNING
(IT'S THE FUTURE)

```
(wftf) a@tartorium source% ls -l
total 200
-rw-r--r-- 1 a a 17412 Nov 10 16:27  atata.txt
-rw-r--r-- 1 a a 16255 Nov 10 17:39  eco-swaraj.txt
-rw-r--r-- 1 a a 25015 Nov 10 19:55  hope.txt
-rw-r--r-- 1 a a 23207 Nov 10 20:33  liquid.txt
-rw-r--r-- 1 a a 17730 Nov 10 21:01  otherness.txt
-rw-r--r-- 1 a a 17483 Nov 10 21:18 'practical vision.txt'
-rw-r--r-- 1 a a 19140 Nov 10 21:57  resurgent.txt
-rw-r--r-- 1 a a 18179 Nov 10 22:43  tense.txt
-rw-r--r-- 1 a a 12869 Nov 10 22:58 '! ?.txt'
-rw-r--r-- 1 a a 14873 Nov 10 15:01  undecidability.txt
(wftf) a@tartorium source% import -window root ~/tmp/screenshot-wftf-tf.png
```

```
master term://.//29496:/usr/bin/zsh[-]                    utf-8[unix] 100% 10072:0
-- TERMINAL --
```

```python
#!/usr/bin/env python3
#
# Take the texts from WFTF, clean them, tokenize sentences,
# and prepare data.json for training

from nltk import sent_tokenize
import json
from os import listdir
from os.path import isfile, join
from unidecode import unidecode

if isfile('data.json'):
  with open('data.json', 'r') as f:
    data = json.load(f)
    f.closed
else:
  data = {}


source_files = [f for f in listdir('source') if isfile(join('source', f))]

for source_file in source_files:
  with open('source/' + source_file) as f:
    text = []
    for line in f:
      line = unidecode(line)
      line.strip()
      text += sent_tokenize(line)
    key = source_file.split('.')[0]
    data[key] = text

with open('data.json', 'w') as f:
  json.dump(data, f)

~
~
```

```
master massage.py[+]                                  [python] utf-8[unix] 8% 3:59
```

```python
#!/usr/bin/env python3
#

import nltk
from nltk.stem.lancaster import LancasterStemmer
import numpy as np
import tflearn
import tensorflow as tf
import random
import json
import string
import unicodedata
import sys

tbl = dict.fromkeys(i for i in range(sys.maxunicode)
                      if unicodedata.category(chr(i)).startswith('P'))

def remove_punctuation(text):
    return text.translate(tbl)

stemmer = LancasterStemmer()
data = None

with open('data.json') as json_data:
    data = json.load(json_data)
    print(data)

categories = list(data.keys())
words = []
docs = []

for each_category in data.keys():
    for each_sentence in data[each_category]:
        each_sentence = remove_punctuation(each_sentence)
        print(each_sentence)
```

```
master train.py[+]                                    [python] utf-8[unix] 1% 2:2
```

‘THIS IS GREAT’ = HAPPY

‘I AM VERY FINE’ = HAPPY

‘WOW, I LOVE THAT’ = HAPPY

‘I FEEL GOOD’ = HAPPY

‘WOW, I FEEL FINE’ = 90% HAPPY

! ?, ATATA, ECO-SWARAJ,
HOPE, LIQUID, OTHERNESS,
PRACTICAL VISION, RESURGENCE,
TENSE, UNDECIDABILITY

WORDS FOR THE FUTURE

+

THE FUTURE OF TEXT ANALYTICS

+

???

WORDS FOR THE FUTURE

+

THE FUTURE OF TEXT ANALYTICS

+

2019 HOROSCOPE

Horoscopes

2019 YEARLY HOROSCOPES

Gemini

YESTERDAY TODAY TOMORROW WEEKLY MONTHLY 2019

OVERVIEW ROMANTIC CAREER

TAURUS

CANCER

YEAR OF 2019: Relationships are mirrors, Gemini—and with Jupiter transiting your opposite sign for most of 2019, you'll have plenty of opportunities for self-reflection!

This is especially true between May 5 and June 23, when four planets in your sign (Mars, Mercury, the sun, and Venus) face off with retrograde Jupiter in Sagittarius. In a year when significant others often come first, these two months are a time to ask: "What about me?"

And with your ruling planet Mercury spending most of the summer in Leo (June 26-July 19 and August 11-29), you're eager to be seen and heard. It may feel like no one's listening, especially during Mercury's retrograde from July 7-31. But don't be a drama queen, Gemini—there are better ways to get noticed! Instead, look for more fun and creative ways to express yourself.

Still, some drama will be unavoidable in 2019. That's got a lot to do with Uranus, whose entry into Taurus on March 6 kicks off seven years of rocking your world and blowing your mind. Radical revelations seem to come out of nowhere—and the sudden flashes of insight can be disorienting, to say the least.

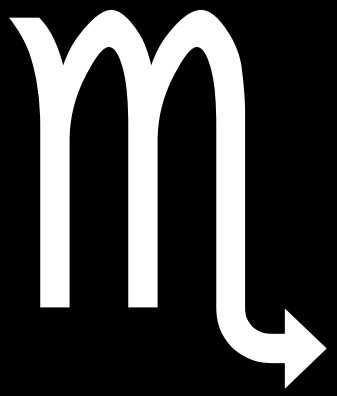
Much of what's coming to light this year has to do with ancient history. For better or worse, your childhood conditioning has remained a powerful influence on your adult life—but the Virgo new moon on August 30 gives you a chance to break the cycle. Along with four other planets in Virgo, this new moon trines Uranus in Taurus and retrograde Saturn and Pluto in Capricorn; forming a Grand Earth Trine that

```
a@tartorium words-for-the-future% import -window root ~/tmp/screenshot-uftf-tf2.png
```

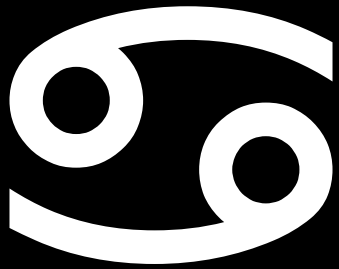
```
master  term://.//25943:/usr/bin/zsh[-]                                  utf-8[unix] 100% 3:0
['! ?' '3']
['undecidability' '4']
******
gemini-overview.txt
******
['undecidability' '3']
******
scorpio-career.txt
******
['! ?' '6']
******
virgo-romantic.txt
******
['! ?' '6']
['undecidability' '6']
******
aries-romantic.txt
******
['otherness' '4']
['practical vision' '4']
******
libra-career.txt
******
['! ?' '4']
['undecidability' '3']
******
aries-overview.txt
******
['! ?' '4']
******
taurus-romantic.txt
******
['! ?' '4']
['practical vision' '4']
******
cancer-overview.txt
******
['hope' '3']
['practical vision' '3']
******
pisces-career.txt
******
['! ?' '4']
******
aquarius-overview.txt
******
['! ?' '3']
['otherness' '7']
['practical vision' '4']
******
gemini-romantic.txt
******
['otherness' '3']
['undecidability' '4']
******
libra-overview.txt
******
['otherness' '4']
******
virgo-career.txt
******
['! ?' '3']
['otherness' '3']
['practical vision' '3']
******
aries-career.txt
******
:
master  term://.//29496:/usr/bin/zsh[-]                                  utf-8[unix] 100% 10068:1
-- TERMINAL --
```

```
#!/usr/bin/env python3
#
# This thing makes text files from the different yearly horoscope prediction
# for all signs from astrology.com

from urllib.request import urlopen
from bs4 import BeautifulSoup
from unidecode import unidecode

# ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼

def url2txt(url):
  '''Take an astrology.com article URL, extract and clean the article's text,
  and save it to 3 files for overview, romance and career'''
  html = urlopen(url).read()
  soup = BeautifulSoup(html, 'html.parser')

  text = ''
  div = soup.find('div', attrs={'id': 'overview'}).findAll('p')
  for element in div:
    text += unidecode(element.text)
  with open('horoscope/' + sign + '-overview.txt', 'w') as f:
    f.write(text)

  text = ''
  div = soup.find('div', attrs={'id': 'romantic'}).findAll('p')
  for element in div:
    text += unidecode(element.text)
  with open('horoscope/' + sign + '-romantic.txt', 'w') as f:
    f.write(text)

  text = ''
  div = soup.find('div', attrs={'id': 'career'}).findAll('p')
  for element in div:
    text += unidecode(element.text)
  with open('horoscope/' + sign + '-career.txt', 'w') as f:
    f.write(text)

# ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲

signs = ['aries', 'taurus', 'gemini', 'cancer', 'leo', 'virgo',
    'libra', 'scorpio', 'sagittarius', 'capricorn', 'aquarius', 'pisces']

for sign in signs:
  print('scraping ' + sign)
  url = 'https://www.astrology.com/us/horoscope/yearly-overview.aspx?sign=' + sign
  url2txt(url)
```

```
master  scrape-horoscope.py                                  [python] utf-8[unix] 73% 36:1
  print('******')
  print(unknown_file)
  print('******')
  with open(folder_to_predict + '/' + unknown_file) as f:
    f_text = f.read()
  sentences = nltk.sent_tokenize(f_text)
  prediction = []
  for sentence in sentences:
    category = categories[np.argmax(model.predict([get_tf_record(sentence)]))]
    prediction.append(category)
    prediction2019.append(category)
  prediction = np.array(prediction)
  unique, counts = np.unique(prediction, return_counts=True)
  results = np.asarray((unique, counts)).T
  for result in results:
    if int(result[1]) > 2:
      print(result)
  #print(results)

prediction2019 = np.array(prediction2019)
unique, counts = np.unique(prediction2019, return_counts=True)
print('***2019***')
print(np.asarray((unique, counts)).T)
master  predict.py                                  [python] utf-8[unix] 82% 86:1
```



TENSE UNDECIDABILITY



CAREER: HOPE, OTHERNESS, PRACTICAL VISION

2019 IN A FEW WORDS

! ?

OTHERNESS

UNDECIDABILITY

RESURGENCE?