

Process of coding
Trump markov chain!

Two steps: data + models

DATA

From <https://github.com/MarkHershey/CompleteTrumpTweetsArchive/tree/master>. But it's quite corrupted and I have to do some processings.

Data processing procedure is accomplished in ``data_prettify.py``

Data can be found in directory (folder) ``data``

MODEL

Fit a markov chain, accomplished in ``markovify.py``. This give us the markov-ed tweets of Donald Trump, which is stored in the pickle file `markov_chain.pkl`

Tweets is generated by running ``start_tweet.py``

*You can find these files at the zip file in my submission on blackboard, but of course I can run it on my computer in a meeting if you'd like
Note: the IMG_5129.mov file is proof that I actually made the model (the markov chain being calculated)*

```
[mathilda@mathilda-timstaller ~d/Class/com/two]$ ls
data data_prettify.py IMG_5129.mov markov_chain.pkl markovify.py start_tweet.py
```

Preliminary observation
+
Model tweaking

```

thilda@mathilda-timstaller ~d/Class/com/twojs$ python3 -tt tweet.py
nurtures and the @realDonaldTrump @realDonaldTrump @realDonaldTrump @selbyke : thinking about the @realDonaldTrump @realDonaldTrump @realDonaldTrump @guinnesscode true !
-----
chuck_kelly13 @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump
@realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump
ump @realDonaldTrump @realDonaldTrump @realDonaldTrump someone who is a great again !
-----
! 6 @realDonaldTrump . 4 years president @realDonaldTrump @jensen4law : @realDonaldTrump @realDonaldTrump @ichicagoscott : @realDonaldTrump helps them .
-----
jordankarem1 : @realDonaldTrump @realDonaldTrump thanx jodie ' s .
-----
agreem anyone else .
-----
breeLand looking bright and vote for the @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realdon
aldrump @realDonaldTrump @realDonaldTrump knows how miserable .
-----
brooklyn n .
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unkind towards @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @carsenadeline yes , and the @realDonaldTrump @rea
lrealDonaldTrump @realDonaldTrump sees it is a great indicator that the @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump
@realDonaldTrump @josh_beaupre josh hawley - and remembering your support matt albenice will be a great again !
-----
msprimary ' s .
-----
lilrachiepool trump lots of the @port3star : -- and the @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump
realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @frankgaffney ,ã s signing copies of the @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @
realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump leads to the @realDonaldTrump @realDonaldTrump @realDonaldTrump continues to blow it one of the @9new
snancy : school choice , and the @chrisopherdavis true !
-----
holdings by the @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump ! @realDonaldTrump @alex_leventis @realDonaldTrump @realDonaldTrump
p jonathan turley , and brother , and the masters .
-----
splat !
-----
'] talk about the @michaelcburgess has reportedly backing the evening in the @realDonaldTrump @realDonaldTrump @realDonaldTrump answering your support me even more than 7 :
@realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump
realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump showed up to rethink that the @realDonaldTrump @realDonaldTrump @realDonaldTrump type of the sid
eline .' @realDonaldTrump @mrdeewmaster @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @foossh
: @realDonaldTrump @realDonaldTrump staying at the @realDonaldTrump @realDonaldTrump @realDonaldTrump @staciann : jerusalem .
-----
brevity in the @operator1975 : @realDonaldTrump @realDonaldTrump @realDonaldTrump @rebanoreland thank you !
-----
anthony weiner is a great again there might riot in the @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realdo
realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realdo
realDonaldTrump @realDonaldTrump delivers remarks at the @realDonaldTrump @realDonaldTrump @realDonaldTrump remembering that the @realDonaldTrump @realDonaldTrump @realDonaldTrump
rump count .
-----
bordenrhodes : @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump
@realDonaldTrump @realDonaldTrump @brkmilleredg you wont be a great justice department of the @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @rea
lrealDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @howardsternjohn @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump
realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump mac miller ' s .
-----
clinton's syria , and the @realDonaldTrump @realDonaldTrump @bltprime & @realDonaldTrump @realDonaldTrump @spe_mike @realDonaldTrump @dennis_goins : @realDonaldTrump @
realDonaldTrump @realDonaldTrump @jbbentleyartist : @realDonaldTrump @realDonaldTrump @realDonaldTrump raised $ 5m fellow americans .
-----
dakota !
-----
cnbcnow : @realDonaldTrump @realDonaldTrump @samaraomharper thanks .
-----
unnil the @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump @realDonaldTrump welp .
-----

```

Observation 1:

Trump really like to tweet "@"

Observation 2:

Most common word that comes after "@" is his own twitter handle "realDonaldTrump". I have to delete "realDonaldTrump" from the corpus of words that comes after @ so it wouldn't repeat so much!

Which tweet is from @realdonaldtrump ?

(in which i copied my markov-trump and real trump tweet into a fake tweet generator)



Donald J. Trump ✓
@realDonaldTrump

despite the constant negative press covfefe

RETWEETS

7,168

LIKES

9,566



10:47 PM - 27 Oct 2023



Donald J. Trump ✓
@realDonaldTrump

.@seanhannity on @foxandfriends now! Great!
8:18 A.M.

RETWEETS

14,331

LIKES

14,690



11:10 PM - 27 Oct 2023

613 14K 15K



Donald J. Trump ✓
@realDonaldTrump

knowledge of the photo but I will be a great
Richard Burr, and destroy millions of wealth and
Hunter Biden is a mistake.

RETWEETS

8,433

LIKES

22,211



11:06 PM - 27 Oct 2023

658 8K 22K



Donald J. Trump ✓
@realDonaldTrump

egop screw the obamacare is a cautious
optimist sees it is a ppv event.

RETWEETS

3,035

LIKES

14,883



10:49 PM - 27 Oct 2023

849 3K 15K



Donald J. Trump ✓
@realDonaldTrump

captainamerica #trump2016's.

RETWEETS

9,650

LIKES

8,915



11:00 PM - 27 Oct 2023

189 10K 9K



Donald J. Trump ✓
@realDonaldTrump

We have defeated ISIS in Syria, my only reason
for being there during the Trump Presidency.

RETWEETS

12,526

LIKES

7,641



11:02 PM - 27 Oct 2023

802 13K 8K

 **Donald J. Trump** ✓
@realDonaldTrump

Thr coverage about me in the @nytimes and the @washingtonpost gas been so false and angry that the times actually apologized to its.....

RETWEETS 11,565 LIKES 19,612

11:24 PM - 27 Oct 2023

398 12K 20K

 **Donald J. Trump** ✓
@realDonaldTrump

fake news media is a witch hunt!

RETWEETS 3,686 LIKES 14,480

11:13 PM - 27 Oct 2023

699 4K 14K


 **Donald J. Trump** ✓
@realDonaldTrump

pure fiction. @dlund222226523 the evening news media is a spaceforce.

RETWEETS 475 LIKES 20,368

11:16 PM - 27 Oct 2023

366 475 20K


 **Donald J. Trump** ✓
@realDonaldTrump

His is turning out to be an enormously consensual presidency. So much so that...there has never been a day that I wished Hilary Clinton were President. Not One. Indeed, as Trump's accomplishments accumulate, the mere though of Clinton in the W.H., doubling down on Obama's....

RETWEETS 14,986 LIKES 19,680

11:08 PM - 27 Oct 2023

43 15K 20K

 **Donald J. Trump** ✓
@realDonaldTrump

Ted Cruz is totally unelectable, if he even gets to run (born in Canada). Will loose big to Hillary. Polls show I beat Hillary easily! WIN!

RETWEETS 2,662 LIKES 24,683

11:18 PM - 27 Oct 2023

773 3K 25K

These are markov-trump



Donald J. Trump ✓
@realDonaldTrump

egop screw the obamacare is a cautious
optimist sees it is a ppv event.

RETWEETS
3,035

LIKES
14,883



10:49 PM - 27 Oct 2023

↩ 849 ↻ 3K ❤ 15K



Donald J. Trump ✓
@realDonaldTrump

captainamerica #trump2016's.

RETWEETS
9,650

LIKES
8,915



11:00 PM - 27 Oct 2023

↩ 189 ↻ 10K ❤ 9K



Donald J. Trump ✓
@realDonaldTrump

pure fiction. @dlund222226523 the evening
news media is a spaceforce.

RETWEETS
475

LIKES
20,368



11:16 PM - 27 Oct 2023

↩ 366 ↻ 475 ❤ 20K



Donald J. Trump ✓
@realDonaldTrump

fake news media is a witch hunt!

RETWEETS
3,686

LIKES
14,480



11:13 PM - 27 Oct 2023

↩ 699 ↻ 4K ❤ 14K



Donald J. Trump ✓
@realDonaldTrump

knowledge of the photo but I will be a great
Richard Burr, and destroy millions of wealth and
Hunter Biden is a mistake.

RETWEETS
8,433

LIKES
22,211



11:06 PM - 27 Oct 2023

↩ 658 ↻ 8K ❤ 22K

The best of Mathilda's “Donald Trump Markov Chain Text generator”

Where i generate 50 “tweets” per code run and pick out the best three or so

luigiboria congratulations to democrat savages , and anarchy - will eat him .

yuge # trump2016 ' s .

gifting our country . attorneys .

leaderless country did not a great again !


helped us . thanking me forever .

trump/russia story . :) @ northcutt2013 : arizona !

egop screw the obamacare is a cautious optimist sees it is a ppv event .

shes stunning ! pretend that the signature collection , and drew breez .

billion dollars , and partisan impeachment hoax .

nucmedman1 :  for the algae - and focus on the 33 billion dollars , ignorance is a great again !


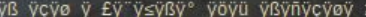
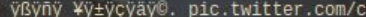
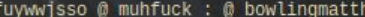
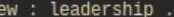
bankruptcy but i will be a secure our country .

hilary clinton , and mitt romney , and thursday , and self - and fabrications !

fuck , and benefits . our country .

hair is a mood . @ 09a7998e75f145e : @ livesayrobin .

knowledge of the photo but i will be a great richard burr , and destroy millions of wealth and hunter biden is a mistake .





insiders now ! pic.twitter.com/lkwq9iktug      . pic.twitter.com/cfuywwjsso @ muhfuck : @ bowlingmatthew : leadership .

paytoplay # trump2016 ' s .


mate . @ mckaylarosej i will totally biased .

fake news media is a witch hunt !

captainamerica # trump2016 ' s .

    catching up to the dictator responsible for us .

harrowing skies of the subway .

pure fiction . @ dlund22226523 :  the evening news media is a space force .

plotting to the fabulous world .

truth_or_rumor : @ ijnipgm : @ cj112connie i will be a governorship in the thousands of the members of enthusiastic about the top of the saving lives and understands that the innocents , and understood the tie today , and its own the view of the access to the horrors taking place gold makes me .

Note that nobody serious about Natural Language Processing uses Markov Chain to do anything - it's too rudimentary! Markov chain does not “understand” context, nor does it consider grammars! It's just an extremely simple statistical model operating purely on word-by-word probability - a memoryless stochastic process.