

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light mint green. They are positioned diagonally, with the blue one partially covering the green one.

RickBot

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What does it do?

- Twitter Bot whose tweets emulate Rick from Rick and Morty
- Couldn't figure out how to implement tweets on intervals, one command line execution needed per tweet
- Currently still waiting (as of Wed night) for developer approval (applied Sunday)
- Thus, couldn't test actual deployment code
- But can still generate the text used in the tweet from Markov chains



Part 1: Generate Markov chain based on CSV file

- Found a transcript of dialogue from Rick and Morty
- Unfortunately, some episodes were missing
- Used markovify (<https://github.com/jsvine/markovify>)
 - Choose lines with valid ends \Rightarrow so you don't get sentences running into each other
 - Call markovify.Text() \Rightarrow (does the magic)
- Convert to JSON for use in python script (I couldn't figure out how to generate tweets to twitter from Jupyter)



Part 2: Tweeter

- Import all the twitter authentication keys
- Call markovify on the text from JSon
- Create short sentence with character limit of 280 (twitter limit)
- “Push” it to twitter
- Hopefully I can demo when the devs decide to accept me



Resources used

<https://medium.com/science-friday-footnotes/how-to-make-a-twitter-bot-in-under-an-hour-259597558acf>

<https://srome.github.io/Making-A-Markov-Chain-Twitter-Bot-In-Python/>

<https://www.pygaze.org/2016/03/how-to-code-twitter-bot/>

<https://github.com/jsvine/markovify>

<https://github.com/ryansheppard/MarkovPicard>

https://github.com/ivanlen/simpsons_bot

<https://www.cis.upenn.edu/~cis120/archive/19fa/hw/hw08/>

<https://projects.raspberrypi.org/en/projects/getting-started-with-the-twitter-api/5>

<https://github.com/esdalmaijer/markovbot>

https://www.mattcrampton.com/blog/step_by_step_tutorial_to_post_to_twitter_using_python/

<https://www.kaggle.com/andradaolteanu/rickmorty-scripts/data>

<http://docs.tweepy.org/en/v3.5.0/api.html>