

ConfessorBot*

iML Midterm Project Idea - Abdullah Zameek

Motivation



What about some sort of Bot that spews out random content?

But, what sort of content, and from where? That is, what is the corpus going to be?



NYUAD Crushes and Compliments

10 hrs · 🌐

2999

" Disclaimer: this is a work of pure fan fiction loosely based on the comic strip of the upcoming Pakistani wedding. Any relations to real people or events is purely coincidental and not intended.

Forbidden Love: An NYUAD Original Love Story

Chapter 1: Working Out?

It was a normal evening. Paula was at the gym, curling a pair of dumbbells, focused on getting strong. "8, 9, 10!" Paula said with a sigh of relief as the dumbbells dropped. Soon as that happened, she went to retrieve a kettlebell, while simultaneously planning out the rest of the day.

Meanwhile, Usman was running on the treadmill, following his regular gym routine. After wrapping up his run, he went to the kettlebells as part of his routine. As he reached for the dumbbell, his hand met Paula's.

For a moment there, time seemed to slow down as they gazed at each other's eyes. For the first time in a while, Usman remembered what it was like to fall in love again.

As Paula gazed dreamily into Usman's eyes, she felt a spark inside. A spark that took control of her emotions, causing her to blush.

Usman stood up, wondering if he should say hi to Paula, when suddenly, out of nowhere, her older brother APPEARS!

Stay tuned for Chapter 2! "



NYUAD Crushes and Compliments

25 February at 23:58 · 🌐

2978

" If you're majoring in SRPP and don't have a 4.0 GPA then shame on you "



NYUAD Confessions Page

25 February at 03:35 · 🌐



#3383: To the seniors who greet me with "happy 95 days till graduation" I WILL THROW YOU AND MYSELF OFF THE HIGHLINE



Hatim Benhsain, Adham Chakohi and 59 others

8 Comments



NYUAD Crushes and Compliments

20 February at 23:21 · 🌐

2963

" To the kindest, most soft-hearted, happiness-spreading, cutest, most amazing human being on this campus:

Thank you for being such a lifting spirit to everyone around you and this entire campus. Thank you for going out of your way to be kind and nice.

Thank you for being so passionate about squash that it inspires me!

Jaida,

Happy birthday. I wish you a long and happy life and a great day. "



NYUAD Confessions Page

10 January · 🌐



#3347: Don't know who needs to hear this but: slide into his/her DMs! If you don't, someone else will. Show them that you are interested, don't sit there waiting for them to fall in love with you, that will never happen. Make everyone's life easier by expressing interest!



Maria Del Mar Jaramillo, Tala Asiri and 30 others

10 Comments

Techniques to parse through the corpus and generate text?

- 1) Markov Chains
- 2) Supervised Machine Learning

What sort of ML Algorithms/Techniques Exist?

Summary

- 1) Recurrent Neural Networks
- 2) LSTM - Long Term Short Term Memories
- 3) Transfer Learning

Implementation

- 1) Scrape the Facebook pages to retrieve the data in a clean, processable format.
- 2) Train a model(To be determined) on the said data
- 3) Create a simple Twitter Bot that would tweet the outputs of the model.

But....why?

The NYUAD Confessions and Crushes and Compliments Pages are some of my favorite pages on the Internet, with content from across the spectrum.

It'll be interesting to see what the collective voice of the student body on these pages is really like.

Possible Roadblocks

- 1) The actual scraping of the data. Since the recent scandals and whatnot, Facebook has since taken down their Graph API that allowed easy scraping of posts.

One possible solution would be to use a mix of Python's HTML parser BeautifulSoup, and the Selenium Browser Automator.

- 2) The actual ML model (which I'm yet to understand thoroughly)