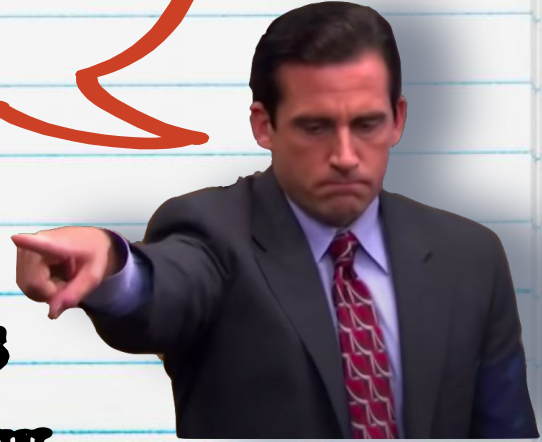


The Office:

modeling iconic
character arcs

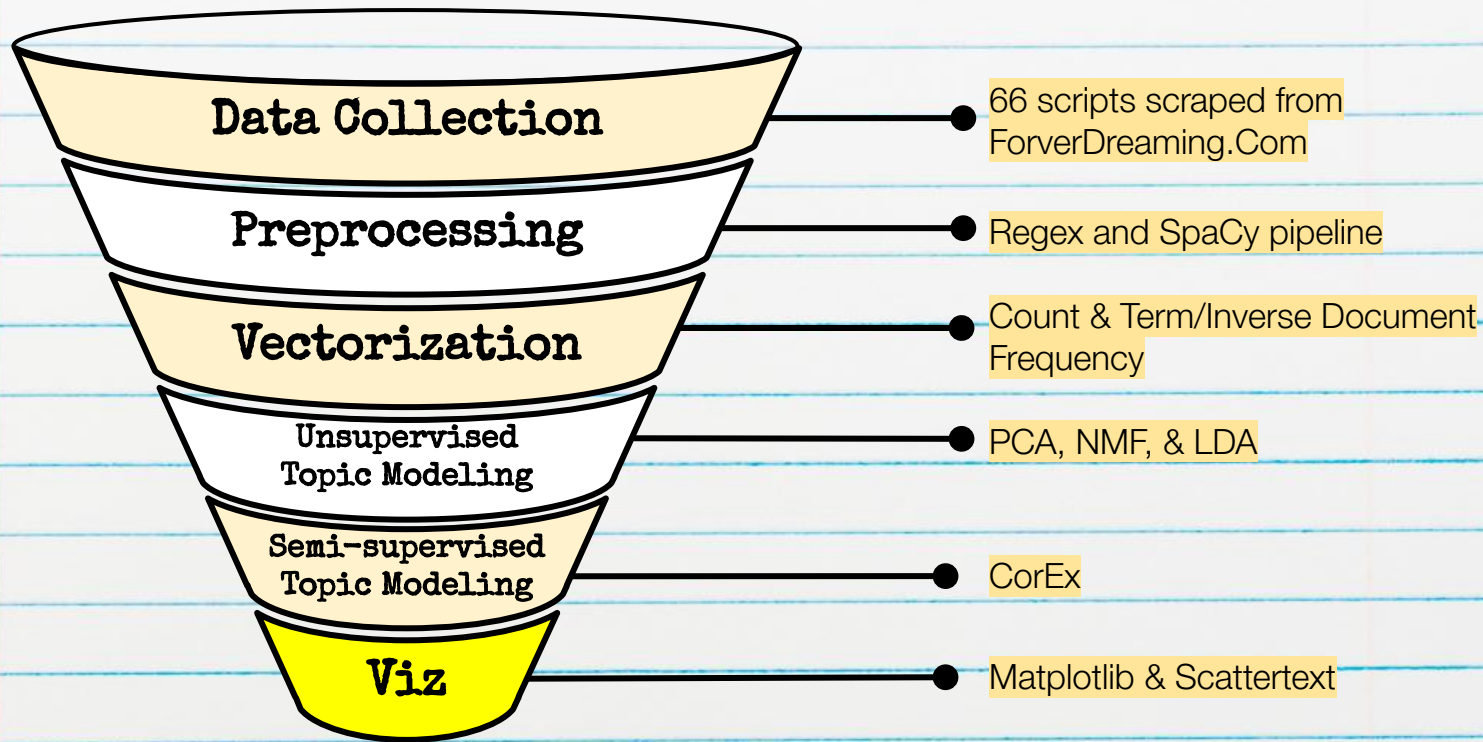


In 2020, the office was the most-streamed show in the US

According to Nielsen, we watched some
57 Billion minutes of this series.

1. Project Design

- Randomly select scripts from most popular seasons (2-7)
- Parse into character-specific dataframes
- Preprocess and tune individual topic models



Characters Modeled



Michael:
392,762



Dwight:
149,501



Jim: **113,022**
Pam: **88,920**

Domain-Specific Preprocessing

Custom Stopwords

Time-specific and office-specific words:
yesterday, morning, week, month, water, coffee, lunch, elevator, floor, etc.

Nicknames

For Dwight, consolidate
Monkey and Angela.
For Michael, consolidate
Pam, Pammy, Spamster.

SpaCy NER

Recognizing companies, characters, and cities, i.e.
New York, Scranton, Pennsylvania, Dunder Mifflin, Ed Truck, David Wallace

Results



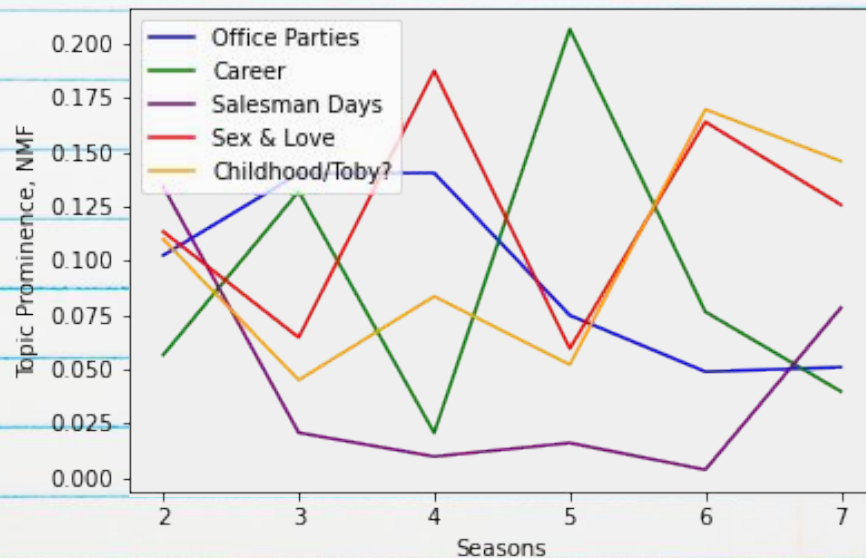
Image Courtesy of NBC

Michael

Top Words:

Pam (224)
Dwight (218)
Michael (173)
Friend (74)
Toby (71)
Paper (71)
Party (62)

Michael's Themes over Series



9

Dwight

Top Words:

Michael (206)

Jim (99)

Dwight (86)

Office (49)

Pam (41)

Desk (41)

Hay (22)

10

Jim

Top Words:

Pam (122)

Dwight (118)

Michael (114)

Jim (53)

Office (41)

Desk (32)

Pam

Top Words:

Michael (177)

Jim (98)

Pam (40)

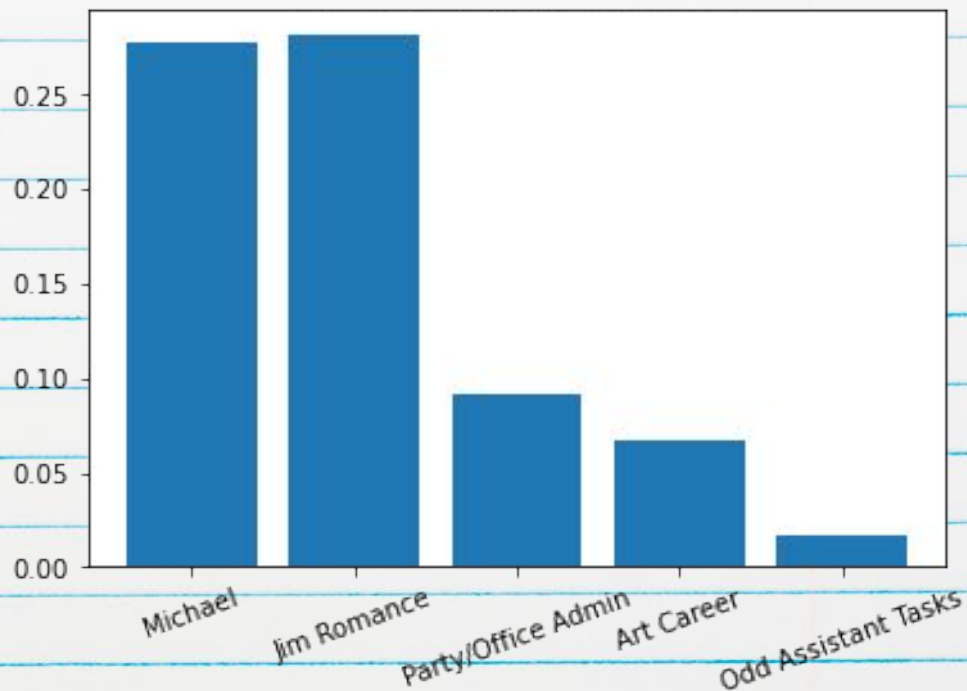
Dwight (38)

Mom (27)

Angela (25)

Chair (21)

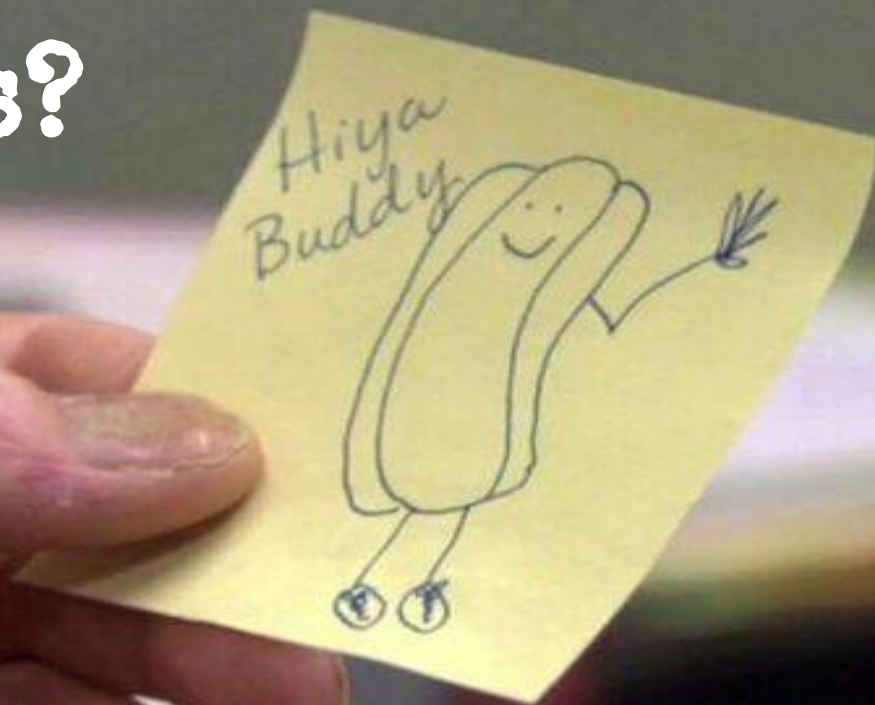
Pam's Themes: Entire Series



Future Work

1. Compile scripts from all episodes for larger corpus, stronger results.
2. Create a content-based recommender for certain characters and relationships using finalized topics models.

Questions?



AH, THIS IS A VERY
IMPORTANT CLIENT.

Appendix

1. Spangler, Todd. “‘The Office’” Was By Far the Most-Streamed TV Show in 2020, Nielsen Says.” Variety, 01/12/2021. Retrieved 04/29/2021 at:
<https://variety.com/2021/digital/news/the-office-most-streamed-tv-show-2020-nielsen-1234883822>
2. Slides Carnival for Presentation Slides Template

Avg. Viewership by Season

