lecture11_practice

February 19, 2024

1 Practice: Find the most viral story

The code below copies the code from today's demo. ## Log into Reddit (PRAW) Our code starts with our Redddit PRAW setup:

```
[1]: import praw
```

```
[2]: %run reddit_keys.py
```

```
[3]: # Give the praw code your reddit account info so
     # it can perform reddit actions
     reddit = praw.Reddit(
         username=username, password=password,
         client_id=client_id, client_secret=client_secret,
         user_agent="a custom python script for user /" + str(username)
     )
```

```
Version 7.7.0 of praw is outdated. Version 7.7.1 was released Tuesday July 11,
2023.
```

1.1 Try to find the most viral story you can!

In the code below, we're checking the "news" subreddit, for the top 10 ("limit=10") most hot (".hot") stories. But, we don't need to just do current hot stories; we have options! By replacing the hot() function with top(), rising(), or controversial() functions, we can find the highest ranked posts (top), the posts that are gaining upvotes most quickly (rising), or the ones with the worst upvote/downvote ratios (controversial). These are all just different algorithms reddit uses to serve posts (more on that in the next lecture).

You also have options. The "limit" parameter tells the function how many posts to give us. We can also us the "time_filter" parameter, which accepts a string, to tell us what time period we want posts from.

For example, if we want the most 5 controversial posts of the year, we can do messages = reddit.subreddit("controversial").top(limit=5, time_filter="year"). The options for time_filter are "day", "week", "month", "year", and "all".

Modify the code below, and try to find the most viral news story you can!

```python
[4]: import datetime
     messages = reddit.subreddit("news").top(limit=5, time_filter="year")

     messages_list = list(messages)

     for submission in messages_list:
         display("latest subject " + str(submission.title))
         display("latest link: " + str(submission.url))
         display("latest datetime: " + str(datetime.datetime.
     ↪fromtimestamp(submission.created_utc)))

         duplicate_submissions = list(submission.
     ↪duplicates(params={'crossposts_only': True, 'limit': 100}))

         ordered_duplicate_submissions = sorted(
             duplicate_submissions, key=lambda x: x.created_utc
         )

         print("Duplicates:")
         for duplicate_submission in ordered_duplicate_submissions:
             print("  Subreddit: " + str(duplicate_submission.subreddit))
```

'latest subject Donald Trump indicted over hush money payments in Stormy Daniels␣
↪probe'

'latest link: https://www.independent.co.uk/news/world/americas/us-politics/
↪donald-trump-stormy-daniels-charged-b2299280.html'

'latest datetime: 2023-03-30 21:34:23'

```
Duplicates:
  Subreddit: The_Mueller
  Subreddit: Trumpvirus
  Subreddit: conservatives
  Subreddit: h3h3productions
  Subreddit: NoneAboveTheLaw
  Subreddit: Food_for_Thought_on
  Subreddit: Astuff
  Subreddit: ChangingAmerica
  Subreddit: ana_to_read
  Subreddit: QuebecLibre
  Subreddit: GabWatch
  Subreddit: IvankaMarieTrump
  Subreddit: LIV_golf
  Subreddit: NoLabelsParty
  Subreddit: TommyTuberville
  Subreddit: WhatAboutTD
  Subreddit: TheMinistryofProof
  Subreddit: Kevinmccarthy
```

```
  Subreddit: MURICAfuckya
  Subreddit: NextTimeOnAmerica
  Subreddit: u_Hearnoenvy782231
  Subreddit: ChangeTheGovernment
  Subreddit: Fuckfoxandfriends
  Subreddit: cloudclub
  Subreddit: thoughtbutter
  Subreddit: TypeOneASuperNova
  Subreddit: sdrawkcabtidder
```

'latest subject Clarence Thomas has accepted undisclosed luxury trips from GOP␣
↪megadonor for decades, report says'

'latest link: https://www.cnbc.com/2023/04/06/
↪clarence-thomas-took-gop-megadonor-harlan-crow-secret-luxury-trips-report.html'

'latest datetime: 2023-04-06 14:33:58'

```
Duplicates:
  Subreddit: vouched
  Subreddit: sdrawkcabtidder
  Subreddit: uspolitics
  Subreddit: Republican_misdeeds
  Subreddit: usa
  Subreddit: gwu
  Subreddit: Fuckfoxandfriends
  Subreddit: UnitedSlothSaves
  Subreddit: politics2
  Subreddit: Trailerclub
  Subreddit: AAA_NeatStuff
  Subreddit: repubtard
  Subreddit: u_TheCommonKoala
  Subreddit: VIPnews
  Subreddit: ana_to_read
  Subreddit: SurprisingNoOne
  Subreddit: u_reddit_lss_2
```

'latest subject Tucker Carlson Out At Fox News, Network Says They Have "Agreed␣
↪To Part Ways"'

'latest link: https://deadline.com/2023/04/
↪tucker-carlson-out-at-fox-news-1235334983/'

'latest datetime: 2023-04-24 15:35:42'

```
Duplicates:
  Subreddit: Hasan_Piker
  Subreddit: h3h3productions
  Subreddit: USNewsAndPolitics
  Subreddit: ChangingAmerica
  Subreddit: u_RapidKite
```

```
  Subreddit: Snorkblot
  Subreddit: NextTimeOnAmerica
  Subreddit: u_Hearnoenvy782231
  Subreddit: sdrawkcabtidder
  Subreddit: ana_to_read
```

'latest subject Donald Trump formally arrested after arriving at New York␣
↪courthouse'

'latest link: https://news.sky.com/story/
↪donald-trump-arrives-at-new-york-courthouse-to-be-charged-in-historic-moment-12849905'

'latest datetime: 2023-04-04 18:07:27'

```
Duplicates:
  Subreddit: ChangingAmerica
  Subreddit: seculartalk
  Subreddit: RhondaSantas
  Subreddit: ChangeTheGovernment
  Subreddit: Food_for_Thought_on
  Subreddit: TypeOneASuperNova
  Subreddit: u_Hearnoenvy782231
  Subreddit: ana_to_read
  Subreddit: u_lilred_93
  Subreddit: Traitor_Donald_Trump
```

'latest subject Andrew Tate charged with rape and human trafficking'

'latest link: https://www.bbc.co.uk/news/world-europe-65959097'

'latest datetime: 2023-06-20 10:19:24'

```
Duplicates:
  Subreddit: TheWorldDaily
  Subreddit: Tatewatch
  Subreddit: Chrisean__Rock
  Subreddit: u_TreacleRare9291
  Subreddit: NoLockedThreads
  Subreddit: stop_the_GOP
```

[ ]: