

# lecture\_6\_practice

January 24, 2024

#Practice: Author Info

Though Reddit collects the device/program sources of submissions (like we saw from former President Trump), it unfortunately doesn't let us see them.

Instead we will look at other information about the author of posts on Reddit that can perhaps tell us something about their authenticity.

## 0.1 Log into Reddit (PRAW)

These are our normal steps get PRAW loaded and logged into Reddit

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

(optional) make a fake praw connection with the fake\_praw library

For testing purposes, we've added this line of code, which loads a fake version of praw, so it won't actually connect to reddit. **If you want to try to actually connect to reddit, don't run this line of code.**

```
[ ]: %run fake_apis/fake_praw.ipynb
```

```
[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Version 7.7.0 of praw is outdated.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.

## 0.2 Load a set of Reddit posts and look up author information

See the ch6\_demo for information on how to look up author information.

Modify the code below to do the following: 1. Get posts from a subreddit other than "cuteanimals" (for example, "movies", "news"), etc 2. Calculate the average link karma across authors.

```
[4]: # Look up the subreddit "cuteanimals", then find the "hot" list, getting up to
↳10 submission
submissions = reddit.subreddit("cuteanimals").hot(limit=10)

# Turn the submission results into a Python List
submissions_list = list(submissions)

for submission in submissions_list:
    print("Info for submission: " + str(submission.title))
    print("  author: " + str(submission.author))
    print("  author's Link Karma: " + str(submission.author.link_karma))
    print("  author's Comment Karma: " + str(submission.author.comment_karma))
    print("  author has a verified email address? " + str(submission.author.
↳has_verified_email))
    print("  author is a moderator of a subreddit? " + str(submission.author.
↳is_mod))
    print("  author has active Reddit Premium status? " + str(submission.author.
↳is_gold))
    print()
```

Info for submission: New updates in our community settings!

```
author: archubbuck
author's Link Karma: 7541
author's Comment Karma: 4923
author has a verified email address? True
author is a moderator of a subreddit? True
author has active Reddit Premium status? False
```

Info for submission: Don't look at me like that baby, I love you more

```
author: Plane_Camp1266
author's Link Karma: 8546
author's Comment Karma: -1
author has a verified email address? True
author is a moderator of a subreddit? False
author has active Reddit Premium status? False
```

Info for submission: Anxiously awaiting the shower

```
author: Sexy_universe
author's Link Karma: 64745
author's Comment Karma: 83
author has a verified email address? True
author is a moderator of a subreddit? False
author has active Reddit Premium status? False
```

Info for submission: It looks like a teddy!

```
author: DaHoodcp
author's Link Karma: 15814
```

author's Comment Karma: 0  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: this is love

author: Sexybitchblonde69  
author's Link Karma: 159  
author's Comment Karma: 75  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: Boopable nostrils

author: lab\_oratory70  
author's Link Karma: 606  
author's Comment Karma: 917  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: look at those beautiful kittens!

author: Sexybitchblonde69  
author's Link Karma: 159  
author's Comment Karma: 75  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: I think he has emotional attachment

author: candydream1  
author's Link Karma: 7559  
author's Comment Karma: 1  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: This Cute Squirrel

author: Full-Mulberry5018  
author's Link Karma: 733088  
author's Comment Karma: 117339  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: This Cute Leopard

author: Full-Mulberry5018  
author's Link Karma: 733088

```
author's Comment Karma: 117339
author has a verified email address? True
author is a moderator of a subreddit? False
author has active Reddit Premium status? False
```

Now, copy your code from above, but try it with a different subreddit. Which one has authors with higher average link karma?

```
[5]: submissions = reddit.subreddit("movies").hot(limit=10)

# Turn the submission results into a Python List
submissions_list = list(submissions)

for submission in submissions_list:
    print("Info for submission: " + str(submission.title))
    print("  author: " + str(submission.author))
    print("  author's Link Karma: " + str(submission.author.link_karma))
    print("  author's Comment Karma: " + str(submission.author.comment_karma))
    print("  author has a verified email address? " + str(submission.author.
↳has_verified_email))
    print("  author is a moderator of a subreddit? " + str(submission.author.
↳is_mod))
    print("  author has active Reddit Premium status? " + str(submission.author.
↳is_gold))
    print()
```

```
Info for submission: Official Discussion Megathread (I.S.S. / The Zone of
Interest / Self Reliance)
```

```
author: LiteraryBoner
author's Link Karma: 193060
author's Comment Karma: 683159
author has a verified email address? True
author is a moderator of a subreddit? True
author has active Reddit Premium status? False
```

```
Info for submission: 2023 films ranked according to the /r/movies official
discussion polls.
```

```
author: LiteraryBoner
author's Link Karma: 193060
author's Comment Karma: 683159
author has a verified email address? True
author is a moderator of a subreddit? True
author has active Reddit Premium status? False
```

```
Info for submission: Official Poster for 'Dune: Part Two'
```

```
author: MarvelsGrantMan136
author's Link Karma: 10456867
```

author's Comment Karma: 1547490  
author has a verified email address? True  
author is a moderator of a subreddit? True  
author has active Reddit Premium status? True

Info for submission: 'Deadpool 3' Wraps Filming After Strike Delay

author: MarvelsGrantMan136  
author's Link Karma: 10456867  
author's Comment Karma: 1547490  
author has a verified email address? True  
author is a moderator of a subreddit? True  
author has active Reddit Premium status? True

Info for submission: Melissa Barrera Is Not Going Anywhere; The actress sat down with Rolling Stone at Sundance to discuss her new film Your Monster, getting axed from the Scream franchise, and much more

author: Sisiwakanamaru  
author's Link Karma: 3105746  
author's Comment Karma: 921018  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: Official Poster for 'Road House'

author: indig0sixalpha  
author's Link Karma: 1579614  
author's Comment Karma: 71136  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: What character got screwed the most in a book to film adaptation? DEFINITELY SPOILERS

author: s3ren1tyn0w  
author's Link Karma: 2859  
author's Comment Karma: 5297  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: Netflix Scraps Release of Halle Berry Movie 'The Mothership'

author: indig0sixalpha  
author's Link Karma: 1579614  
author's Comment Karma: 71136  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

```
Info for submission: David Fincher Extends His Netflix Deal for 3 More Years
author: indig0sixalpha
author's Link Karma: 1579614
author's Comment Karma: 71136
author has a verified email address? True
author is a moderator of a subreddit? False
author has active Reddit Premium status? False
```

Info for submission: I've been avoiding Frankenhooker (1990) for so long. That was a mistake!

```
author: PEEEEETE
author's Link Karma: 10525
author's Comment Karma: 8812
author has a verified email address? True
author is a moderator of a subreddit? False
author has active Reddit Premium status? False
```

Now, pick one more comparison you can make between authors on the two subreddits (e.g. are more of them mods? gold? verified?), and run code to compare them.

```
[6]: submissions = reddit.subreddit("sports").hot(limit=10)

# Turn the submission results into a Python List
submissions_list = list(submissions)

for submission in submissions_list:
    print("Info for submission: " + str(submission.title))
    print("  author: " + str(submission.author))
    print("  author's Link Karma: " + str(submission.author.link_karma))
    print("  author's Comment Karma: " + str(submission.author.comment_karma))
    print("  author has a verified email address? " + str(submission.author.
↪has_verified_email))
    print("  author is a moderator of a subreddit? " + str(submission.author.
↪is_mod))
    print("  author has active Reddit Premium status? " + str(submission.author.
↪is_gold))
    print()
```

```
Info for submission: Join The Reddit Sports Discord Server!
author: caindaddy
author's Link Karma: 340411
author's Comment Karma: 219782
author has a verified email address? True
author is a moderator of a subreddit? True
author has active Reddit Premium status? True
```

Info for submission: Five members of 2018 Team Canada junior hockey team to face sexual assault charges

author: Hyperion4  
author's Link Karma: 5487  
author's Comment Karma: 37019  
author has a verified email address? False  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: Sources: Blazers to protest loss after 'frustrating' play

author: PrincessBananas85  
author's Link Karma: 1681757  
author's Comment Karma: 98420  
author has a verified email address? True  
author is a moderator of a subreddit? True  
author has active Reddit Premium status? True

Info for submission: BREAKING: Doc Rivers is finalizing an agreement to become the next coach of the Milwaukee Bucks, sources tell ESPN. The Bucks are getting the coach they targeted over the past 24 hours.

author: SpiritedSuccess5675  
author's Link Karma: 422696  
author's Comment Karma: 174301  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? True

Info for submission: 'I've got no limits': world's fastest accountant Eugene Amo-Dadzie sets sights on Olympics

author: Kathanayagan-3821  
author's Link Karma: 61096  
author's Comment Karma: 43567  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: Cavs' Thompson suspended 25 games for doping

author: Oldtimer\_2  
author's Link Karma: 403320  
author's Comment Karma: 80324  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: Zverev takes out Alcaraz, will meet Medvedev in semis

author: Oldtimer\_2  
author's Link Karma: 403320  
author's Comment Karma: 80324

author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: All Blacks star Will Jordan's try against Argentina at 2023 Rugby World Cup

author: Kathanayagan-3821  
author's Link Karma: 61096  
author's Comment Karma: 43567  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: Report: Chargers make 'extremely strong offer' to Harbaugh

author: Oldtimer\_2  
author's Link Karma: 403320  
author's Comment Karma: 80324  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False

Info for submission: Japan advances in the Asian Cup and Iraq maintains 100% winning run on its way to the knockout stage

author: Oldtimer\_2  
author's Link Karma: 403320  
author's Comment Karma: 80324  
author has a verified email address? True  
author is a moderator of a subreddit? False  
author has active Reddit Premium status? False