

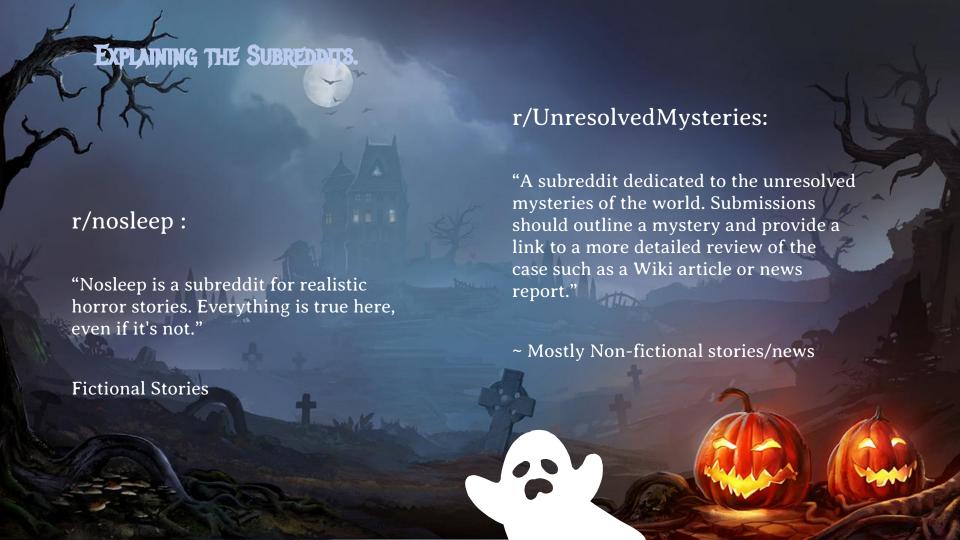


Use data scraped from two similar subreddits and build models to predict which subreddit a post was from.

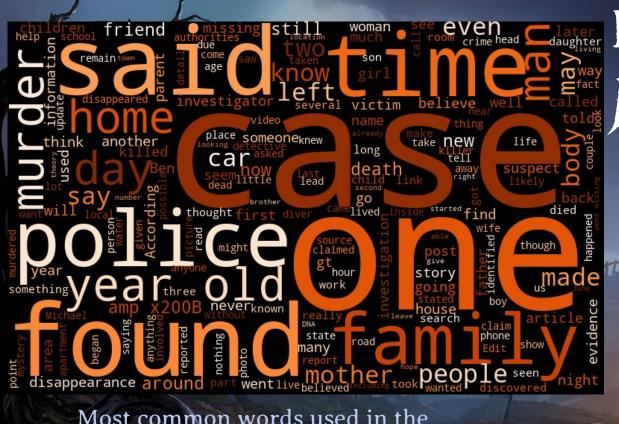
 2000 Posts were used in building my predictive models.

ALTERNATE USE:

If I were an admin on r/UnresolvedMysteries, I've built a model that would be able to flag questionable posts due recognized patterns and vocabulary.

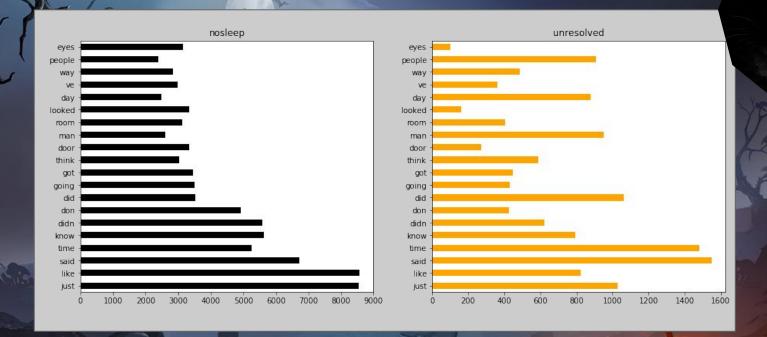


went maybe make O day dmadeasked take long anothergave didn around door behind always wife heard came Svoice sure might eye Most common words used in the r/Nosleep subreddit. Nothing particularly interesting...

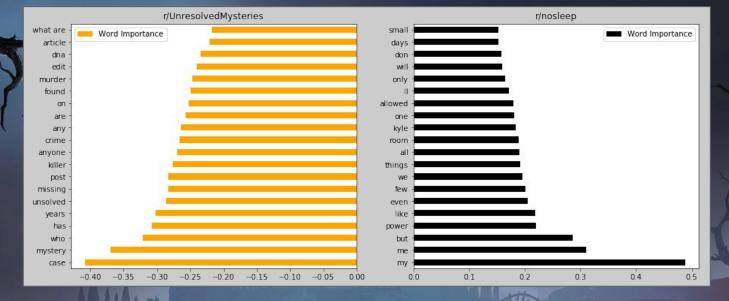


Most common words used in the r/UnresolvedMysteries subreddit. These were much more interesting... and more spooks.

Top 20 most common words for each subreddit



The most used words for both subreddits were generally very common. I didn't see much value in these, but there were some interesting finds. Apparently time is a very speaky word.



I immediately notice a couple things about the models highest calculated important vocabulary associated with r/UnresolvedMysteries. The words used were definitely more unique and... more

r/nosleep associated words were much less complex. I didn't see any words or phrases that were particularly notable. Apparently "Kyle" has a rough time in the r/nosleep subreddit.

Top 20 most important words for each subreddit

BEST MODEL

Logistic Regression Model using CountVectorizer

'max_features': 2500,

'ngram_range': (1, 2)}

Train Accuracy Score: 1.0

Test Accuracy Score: 0.9817905918057663

Honorable Mention:

MultiNomial Naive Bayes using TfidfVectorizer

Train Accuracy Score: 0.9827973074046372
Test Accuracy Score: 0.9666160849772383

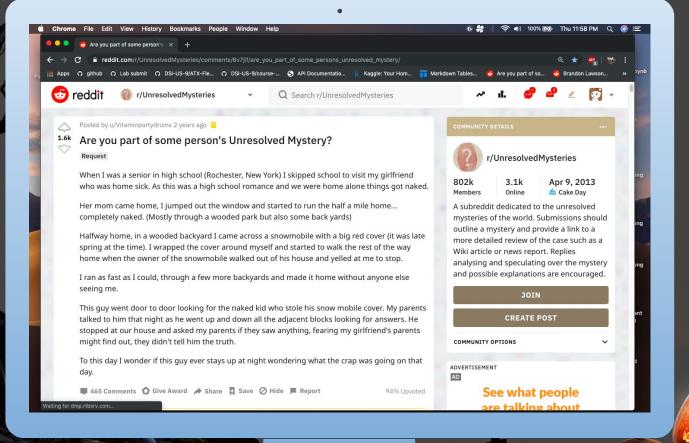
Spooky good results



,	Predicted r/nosleep	r/UnresolvedMysteries
Actual r/nosleep	326	3
Actual resolvedMysteries		321

r/Unr

9 posts were predicted to be r/nosleep while actually being posted to r/unresolvedMysteries...

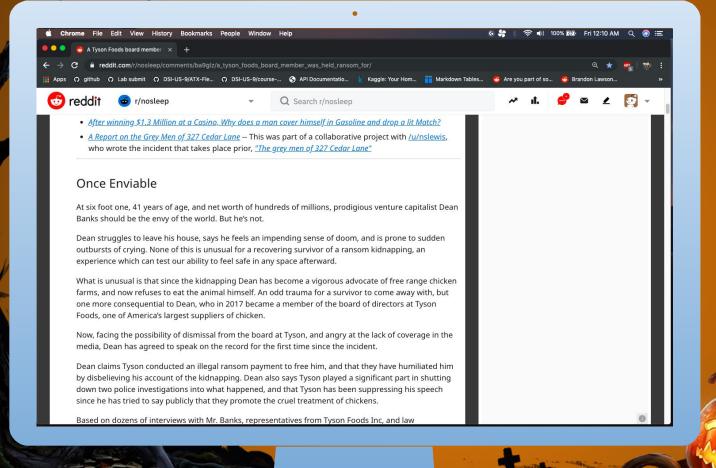


9 banned users.

My model incorrectly predicted this post to be r/nosleep.

You can immediately tell this story is mostly lacking any factual data. It's written very casually and through the perspective of the user instead of official reports.

As an admin I don't think this post fits the subreddit.



3 SCARY GOOD STORIES.

My model predicted this post to be a from r/UnresolvedMysteries, but it was actually a fictional story written for the r/nosleep subreddit.

The story was written well and included links and dates to all events. Very detail oriented.





