



Did JK Rowling take

from JRR Tolkien?

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OI

Background

Controversy...?

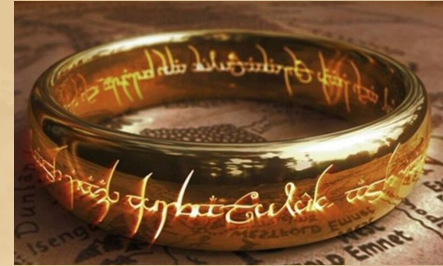


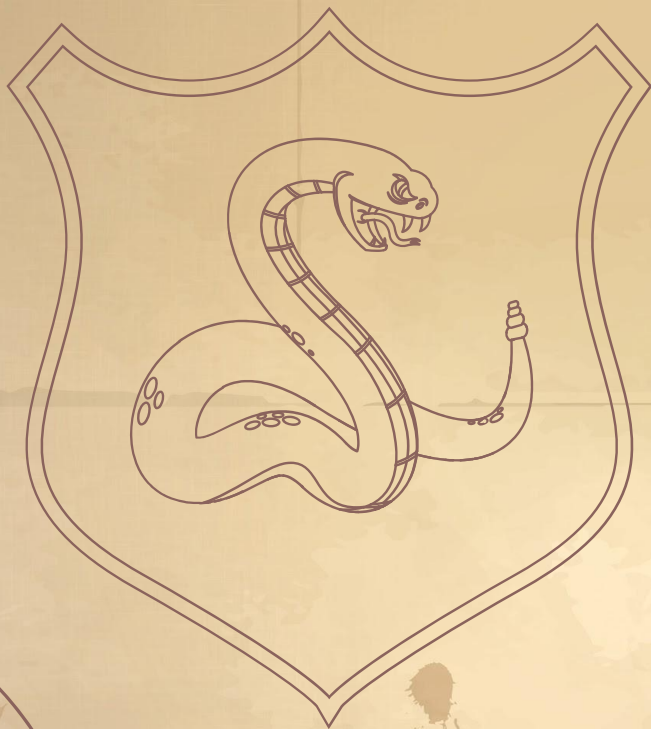
Background

Many people believe that JK Rowling took her ideas for Harry Potter from JRR Tolkien's Lord of the Ring Series...

There are many themes that correspond with one another:

The ring bearer/ The chosen one
Gandalf the Grey/ Albus Dumbledore
Sauron the Deceiver/ Voldemort
The ring/ The horcruxes
Nazgul/ The dementors
Gollum/ The Elves
Shelob/ Aragog
Mirror of Galadriel/ Mirror of Erised-Pensieve
Dead Marshes/ Inferi
The power of the ring/ Legilimens





O2

Problem Statement

Did JK Rowling take
from JRR Tolkien?

03

Data Retrieval

The Wonderful Use of
Reddit



Reddit

First, I collected a total of 4000 posts from two subreddits using Reddit's Pushshift API:

- Lord of the Rings
- Harry Potter

I then cleaned the data, and stored them in a dataframe for modeling.





O4

Modeling

NLP

Model Timeline



I

Constructed Logreg Model to 97% Accuracy



II

Constructed 2nd Model with unique words removed



III

Comparison: Did the 2nd model do worse?



IV

Tuning: Adding more params to improve models

Model I

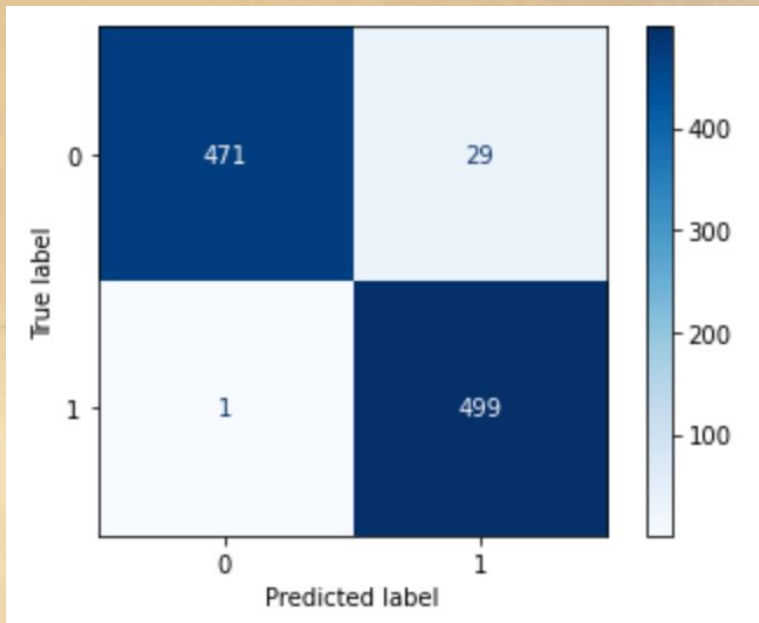
With 97% Accuracy:

Actual No Predicted No (TN) = 471

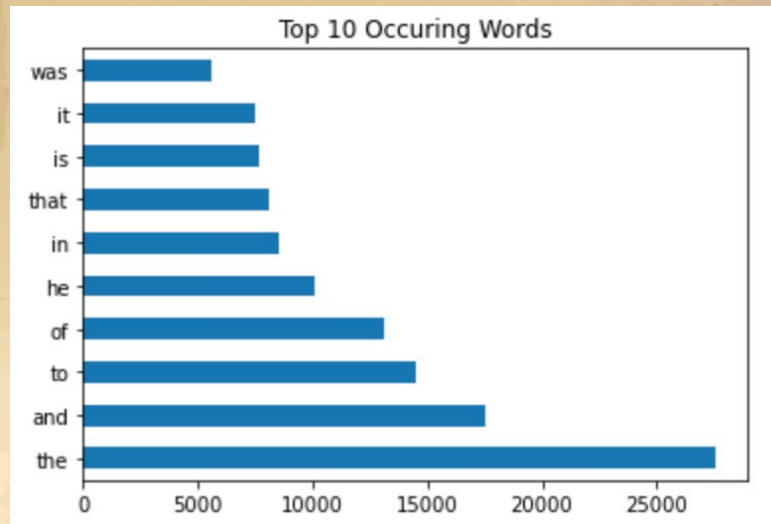
Actual No Predicted Yes (FP) = 29

Actual Yes Predicted No (FN) = 1

Actual Yes Predicted Yes (TP) = 499



Top 10 Occuring Words



Model II

When unique keywords were removed, model II failed to fit. I believe this is because the two subreddits were similar without the keywords, and the model failed to distinguish between the two subreddits.



05

Results/ Conclude

What about my problem
statement?



Results/Conclude



Yes!

I believe JK Rowling was deeply inspired by LOTR themes.



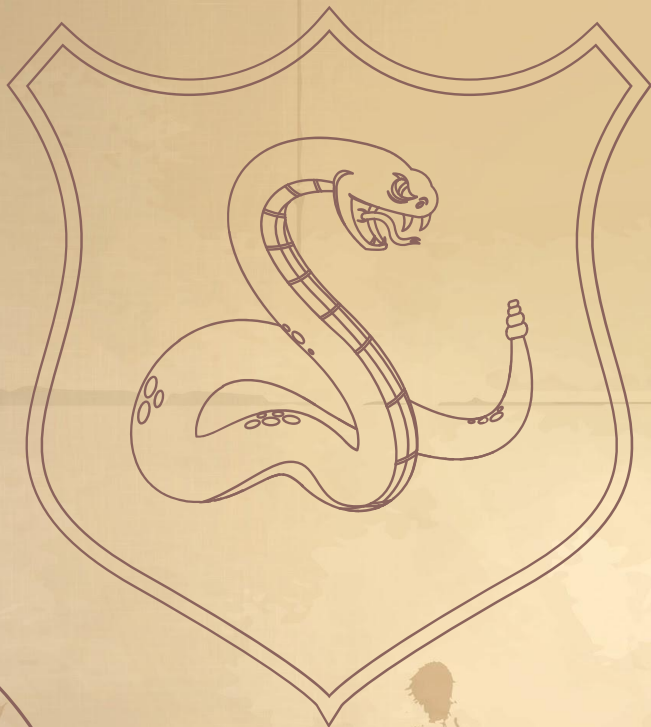
Why?


Largely due to the fact the second model could not fit when keywords were absent.

06

Moving Forward/ Sources

What now?





Finding out how to improve model I, potentially plotting a 3D vector map of word usage, and stacking.

Sources:

<https://www.dictionary.com/e/wp-content/uploads/2019/04/1000x700-epic-fail-1-790x310.jpg>

<https://gamerant.com/lotr-sauron-one-ring-creation-explained/>

<https://i.pinimg.com/originals/f3/ac/f8/f3acf83daf7b656ec86cd673463220.jpg>



Thank YOU!

Do you have any questions?
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Courtesy of slidesgo

