

How accurately can we tag a subreddit to -> Sherlock or Poirot

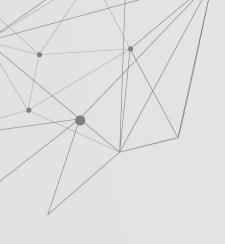


Audience

VP of Marketing - Commission and budget approvals

Marketing Manager - Strategy and execution

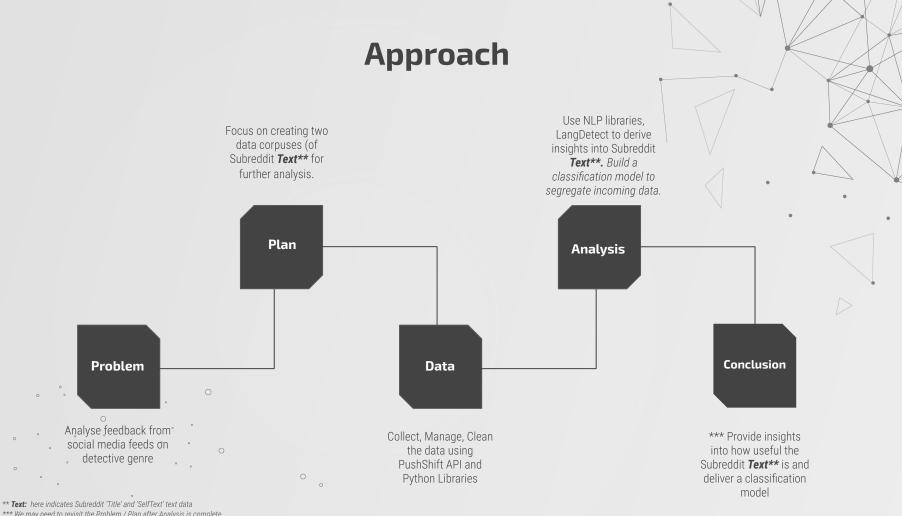
Marketing Operations Manager - Consume the data model downstream for Operations



Problem Statement

One of the large online book publishers wants to commission a fiction detective series and as a part of their larger marketing research (segmenting users) project want to analyse feedback from social media feeds on detective genre

As a part of this exercise, we are going to focus on Reddits comments on two detectives:........*Mr Holmes and Mr Poirot*



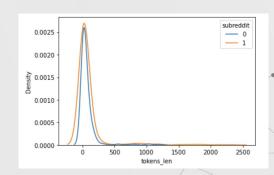
^{***} We may need to revisit the Problem / Plan after Analysis is complete

Birds Eye view

67% of Reddit users are Male; and **64%** are below the age of 29. This causes and inherent risk and bias in the analysis.

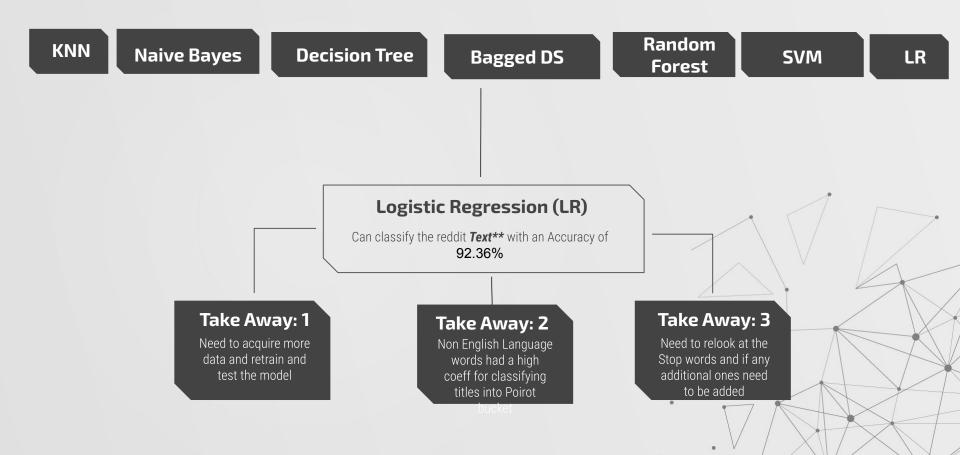
The amount of data for Sherlock and Poirot character 'book' threads is low. Going back to 2012(Poirot) and 2009(Sherlock), we have collected a total of 768 clean subreddit titles and selftexts.

The average words in a Title of a Subreddit is around 10 words (for both Sherlock and Poirot Subreddits.) However, Sherlock Subreddit threads has more number of 10 word title than Poirot. Could indicate Sherlock Subreddit users are more **verbose**



The **Top** most repeated Parts of Speech of Text is **Noun.** Interestingly, the other Parts of Speech are different for Sherlock & Poirot Subreddit.

Modelling Approach



Citations

Citations:

https://www.journalism.org/2016/02/25/reddit-news-users-more-likely-to-be-male-young-and-digital-in-their-news-preferences/

 $\frac{http://www.primarydigit.com/blog/analysis-of-reddit-structure-of-the-social-network-a}{nd\text{-}the-comment\text{-}threads}$

https://github.com/reddit-archive/reddit/wiki/API



