

NEWS CLASSIFICATION



Classifying news category based on title

The objective of this project is to build a predictive model that classifies news category based on title. With the vast amount of information, the automation of category classification for news articles could save time, effort and set forth for recommendation system.

● Results

- for more details: check out
the .ipynb file

- Dataset information: there are 422,419 rows with 4 categories (business, technology, entertainment, health).
- Distribution: by using bar chart, we can see that entertainment (e) is the most popular category while the least is health (m)
- Popular words: among the 69,293 distinct words, some most common words are new, google, apple, etc.

- Text preprocessing: lowercase, remove punctuation, remove stop word, lemmatize (to convert text to its original forms)
- Tokenize, sequencing and padding for predictors to convert text to integers in the form of equal-length arrays
- Label encode for target variables



Word cloud visualizing common words