Saudi Newspapers Articles

NLP PROJECT



Abstract

The media occupies an important role in a democratic society, the press is not just a source of news, but a reference for current information and a tool for public criticism, it greatly influences the making of public opinion. And the press has many basic functions, and the nature of each newspaper differs from the other in terms of the personality of the writer.

This project will explore different methods of using NLP on the data with the goal of finding a good way of organising papers past by topic. We will visualise and report on the results and preprocess over time and by region to give a descriptive overview of P papers past through the topics. We will also make recommendations about the best ways to present topic model results to users.

Data

This data set from Github contains a collection of 3000 rows, 3 columns descriptive newspaper articles extracted from various Saudi newspapers on the Internet



Algorithms



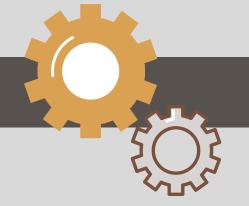
Understand the DataSet

EDA

NLP Preprocessing

Topic Modeling

Tools



Technologies

- Python
- Jupyter notebook
- Google colab

Libraries

- Pandas
- NumPy
- Matplotlib
- Seaborn
- Sklearn
- NItk
- Arabic Libraries

Communication

