Jeopardy

Description :

"Jeopardy!" is a classic game show -- with a twist. The answers are given first, and the contestants supply the questions. In this application Jeopardy has the dataset of all the Questions and Answers till the last episode. User will be able to search the Questions and see their answers. Users will also be able to get a classified list of Questions from a particular Category. Also user will be able to share the Questions on Social Media .

Dataset :

https://www.reddit.com/r/datasets/comments/1uyd0t/200000_jeopardy_questions_in_a_json_file/

CSV file : https://drive.google.com/file/d/0BwT5wj_P7BKXUl9tOUJWYzVvUjA/view

Features :

1. Search the Questions .
2. A Classified search result according to the category of the question.
3. A Recommender System to recommend Questions according to User Search History.
4. User will be able to share the Questions.

SEARCH :

To calculate Inverted Term Frequecy and use that to find similarity between user's query and the questions I have in my Dataset.

- I have only extracted name of question, answer, type of jeopardy which is good source of information.
- In the end I have constructed document for each jeopardy that contains all the text data mentioned above.
- For better results I have applied snowball stemmer.

- To find similarity between search query and questions and answer first I have combined the questions answer Jeopardy type fields and generated word vector of Combined data using word vectors inverted term frequency was calculated.
- Now for new query we need to generate word vector of query and then calculate inverted term frequency. After that we need to calculate cosine similarity between inverted term frequency of query and of each movie. Then we will find top results whose cosine similarity is maximum.

Classifier :

The user will input some text and based on the similarity of the categories of the questions it will be classified.

- Using **Naive Bayes Classification** which works on probability of individual features within Document
- After counting the Probability with each of the category, **Top K** results are rendered

Recommender :

To Recommend questions to the users, according to their previous searches

- Saved user's searches in the localstorage of the browser
- Get the words searched by the user
- Passing the query and comparing the tf-ifd of the query with the query of documents.

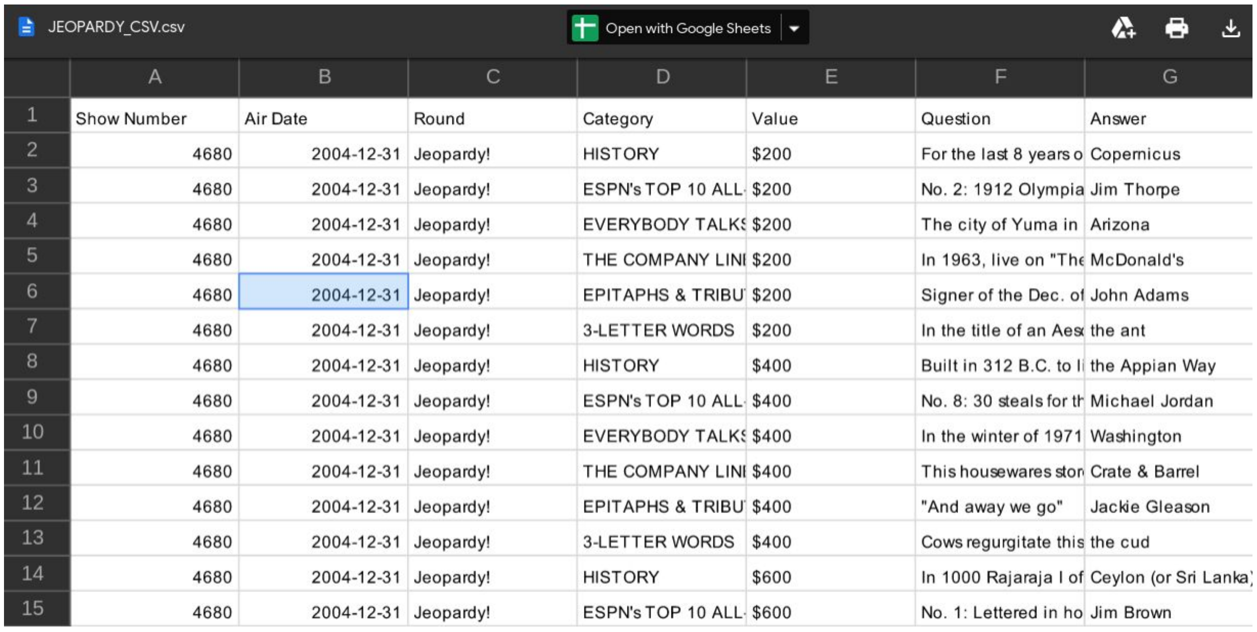
Why is it Compelling? :

1. **Increase your knowledge,** by playing the Questionnaire.
2. Play with Friends.

Similar Apps :

1. **https://www.jeopardy.com/play-shop**
2. **https://jeopardylabs.com/**
3. **http://j-archive.com/**

Glimpse Of Dataset :



	A	B	C	D	E	F	G
1	Show Number	Air Date	Round	Category	Value	Question	Answer
2	4680	2004-12-31	Jeopardy!	HISTORY	$200	For the last 8 years o	Copernicus
3	4680	2004-12-31	Jeopardy!	ESPN's TOP 10 ALL-	$200	No. 2: 1912 Olympia	Jim Thorpe
4	4680	2004-12-31	Jeopardy!	EVERYBODY TALKS	$200	The city of Yuma in	Arizona
5	4680	2004-12-31	Jeopardy!	THE COMPANY LIN	$200	In 1963, live on "The	McDonald's
6	4680	2004-12-31	Jeopardy!	EPITAPHS & TRIBU	$200	Signer of the Dec. of	John Adams
7	4680	2004-12-31	Jeopardy!	3-LETTER WORDS	$200	In the title of an Aes	the ant
8	4680	2004-12-31	Jeopardy!	HISTORY	$400	Built in 312 B.C. to l	the Appian Way
9	4680	2004-12-31	Jeopardy!	ESPN's TOP 10 ALL-	$400	No. 8: 30 steals for th	Michael Jordan
10	4680	2004-12-31	Jeopardy!	EVERYBODY TALKS	$400	In the winter of 1971	Washington
11	4680	2004-12-31	Jeopardy!	THE COMPANY LIN	$400	This housewares stor	Crate & Barrel
12	4680	2004-12-31	Jeopardy!	EPITAPHS & TRIBU	$400	"And away we go"	Jackie Gleason
13	4680	2004-12-31	Jeopardy!	3-LETTER WORDS	$400	Cows regurgitate this	the cud
14	4680	2004-12-31	Jeopardy!	HISTORY	$600	In 1000 Rajaraja I of	Ceylon (or Sri Lanka)
15	4680	2004-12-31	Jeopardy!	ESPN's TOP 10 ALL-	$600	No. 1: Lettered in ho	Jim Brown

Sketches :

https://pidoco.com/rabbit/invitation/OgX6nVeVbLp8CgiDlQjRpip4TAE9ydMyj59mTuxv

Wireframe Hosted on Website :
http://sketches.sagarchandani.uta.cloud/

WireFrame made using Pidoco : https://pidoco.com