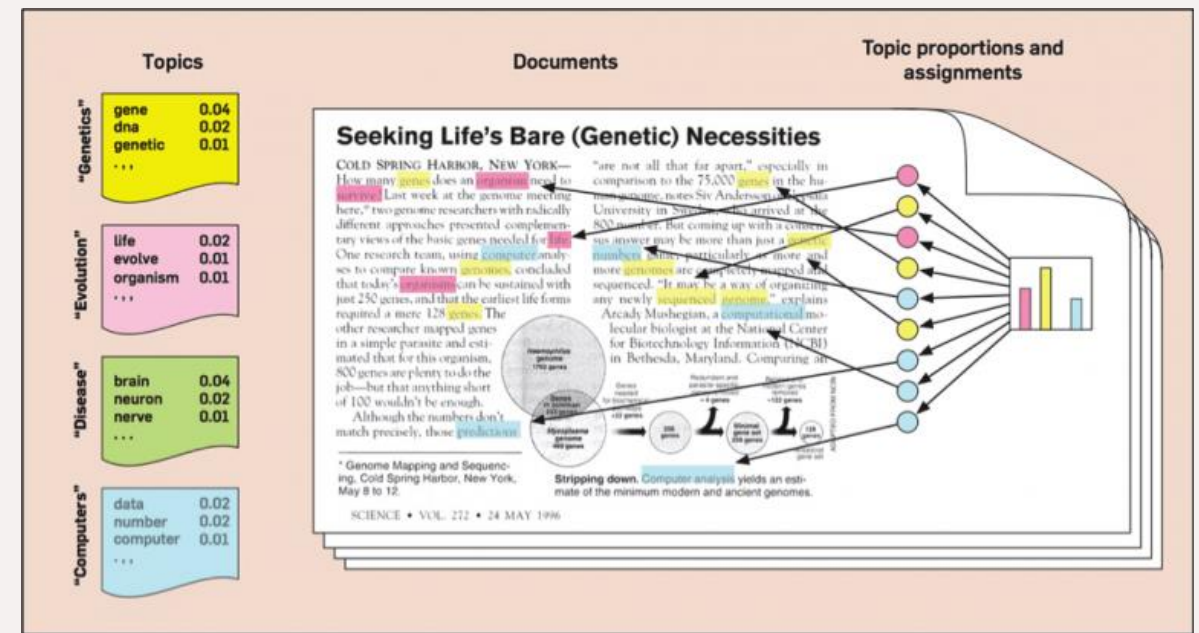


AC-2 Data Visualizer for Topic Models

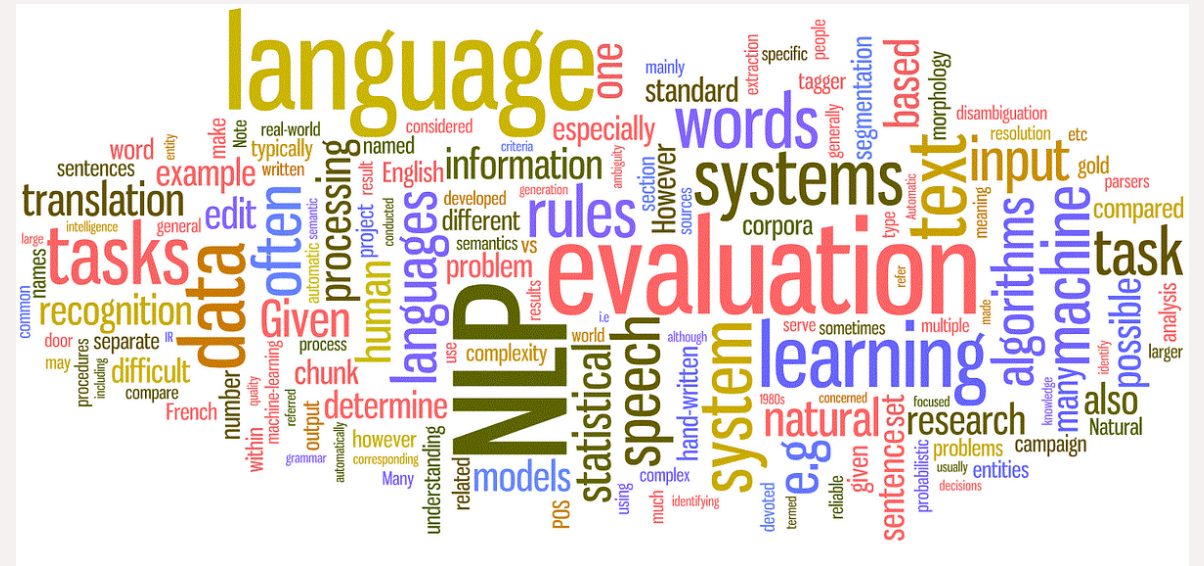
What is Topic Modeling?

- Topic modeling is a statistical technique that helps to identify the hidden topics in a collection of documents.
- It is an unsupervised machine learning technique that analyzes text data and discovers the underlying themes that are present within it.
- The algorithm works by analyzing word frequency patterns and grouping words that appear together frequently, forming topics.



How does Topic Modeling work?

- Topic modeling is based on the assumption that documents are created from a mixture of topics.
- The algorithm tries to discover the underlying topics by identifying the co-occurring words in the documents.
- The algorithm scans through the entire document corpus, looking for groups of words that are frequently used together. These groups of words form the basis for the topics.



What is our Topic Model doing?

- Our topic model is analyzing a vast amount of text data in the Wikipedia dataset to identify similar articles based on their content.
- By using topic modeling, we are trying to discover the underlying themes and patterns present in the dataset.
- These themes and patterns can help to identify similar articles and group them together, making it easier for users to find the information they need.

How does our Topic Model Work?

- Our topic model algorithm scans through the entire Wikipedia dataset, looking for groups of words that frequently appear together, forming topics.
- It scores each article based on how strongly it relates to each topic, creating a topic distribution for each article.
- This distribution is used to group similar articles together and recommend them to the users based on the content present in the article.
- For example, if a user is reading an article about Artificial Intelligence, our model will recommend similar articles related to AI, such as Machine Learning, Computer Vision, and Natural Language Processing.

Benefits of Topic Modeling

Topic modeling has several benefits. It can help to:

- Organize large volumes of unstructured data
- Identify hidden themes and patterns within the data
- Gain insights into complex issues
- Improve decision-making
- Sentiment analysis

Demo Screenshots

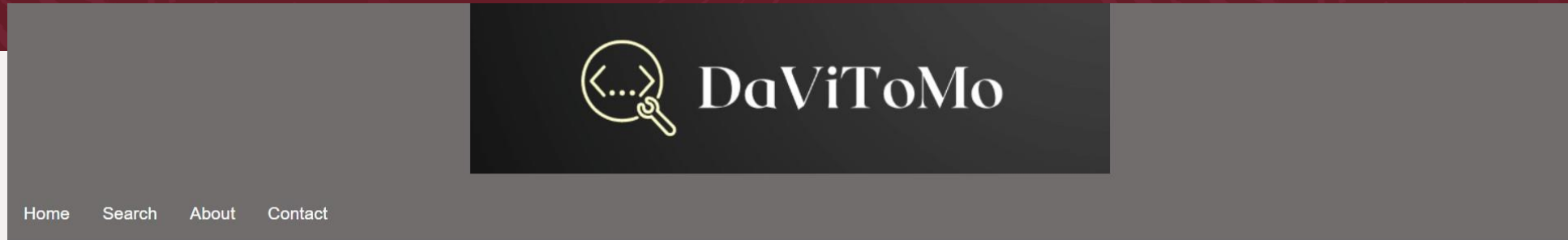


WELCOME TO OUR WEBSITE!

Learn more about topic models and how they can help you with your research projects.

[Get Started](#)

Demo Screenshots



TOPIC MODEL

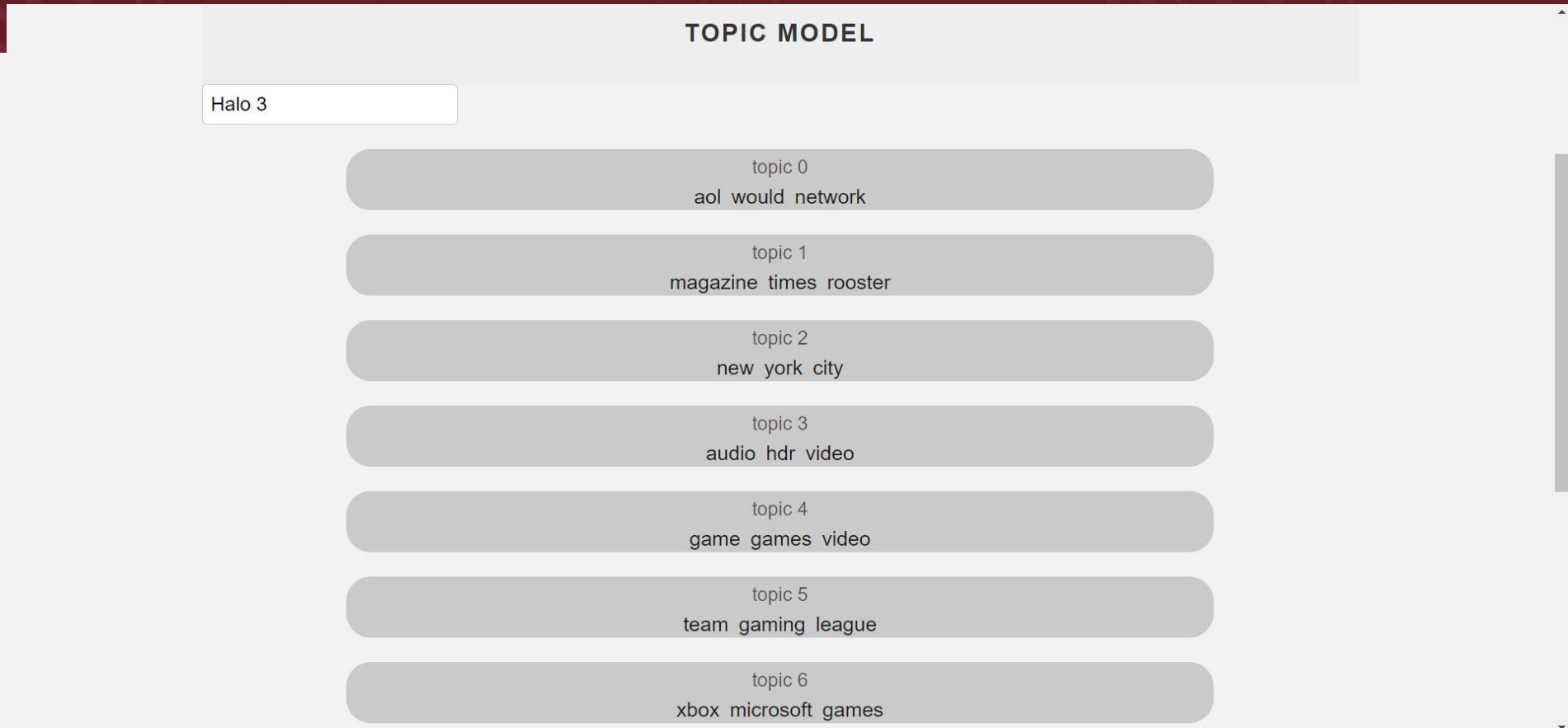
Run Script

Loading Topics...

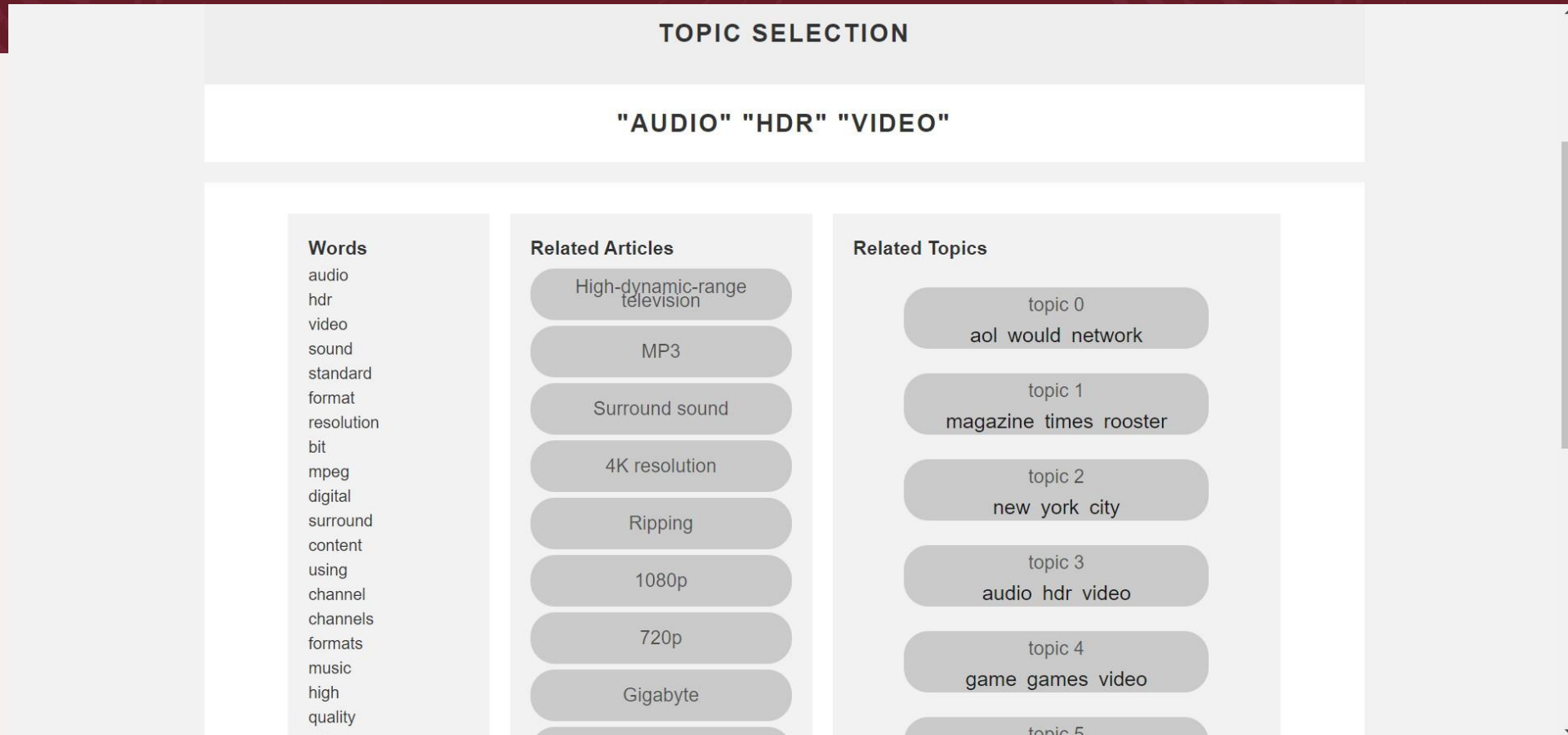
Demo Screenshots



Demo Screenshots



Demo Screenshots



Demo Screenshots

Related Topics

Topic 0
games shooter first

Topic 1
wars space saber

Topic 2
palpatine sith vader

Document Text

surround sound is a technique for enriching the fidelity and depth of sound reproduction by using multiple audio channels from speakers that surround the listener surround channels its first application was in movie theaters prior to surround sound theater sound systems commonly had three screen channels of sound that played from three loudspeakers left center and right located in front of the audience surround sound adds one or more channels from loudspeakers to the side or behind the listener that are able to create the sensation of sound coming from any horizontal direction at ground level around the listener the technique enhances the perception of sound spatialization by exploiting sound localization a listener s ability to identify the location or origin of a detected sound in direction and distance this is achieved by using multiple discrete audio channels routed to an array of loudspeakers surround sound typically has a listener location sweet spot where the audio effects work best and presents a fixed or forward perspective of the sound field to the listener at this location surround sound formats vary in reproduction and recording methods along with the number and positioning of additional channels the most common surround sound specification the itu s standard calls for speakers center c in front of the listener left l and right r at angles of left surround ls and right surround rs at angles of and a subwoofer whose position is not critical fields of

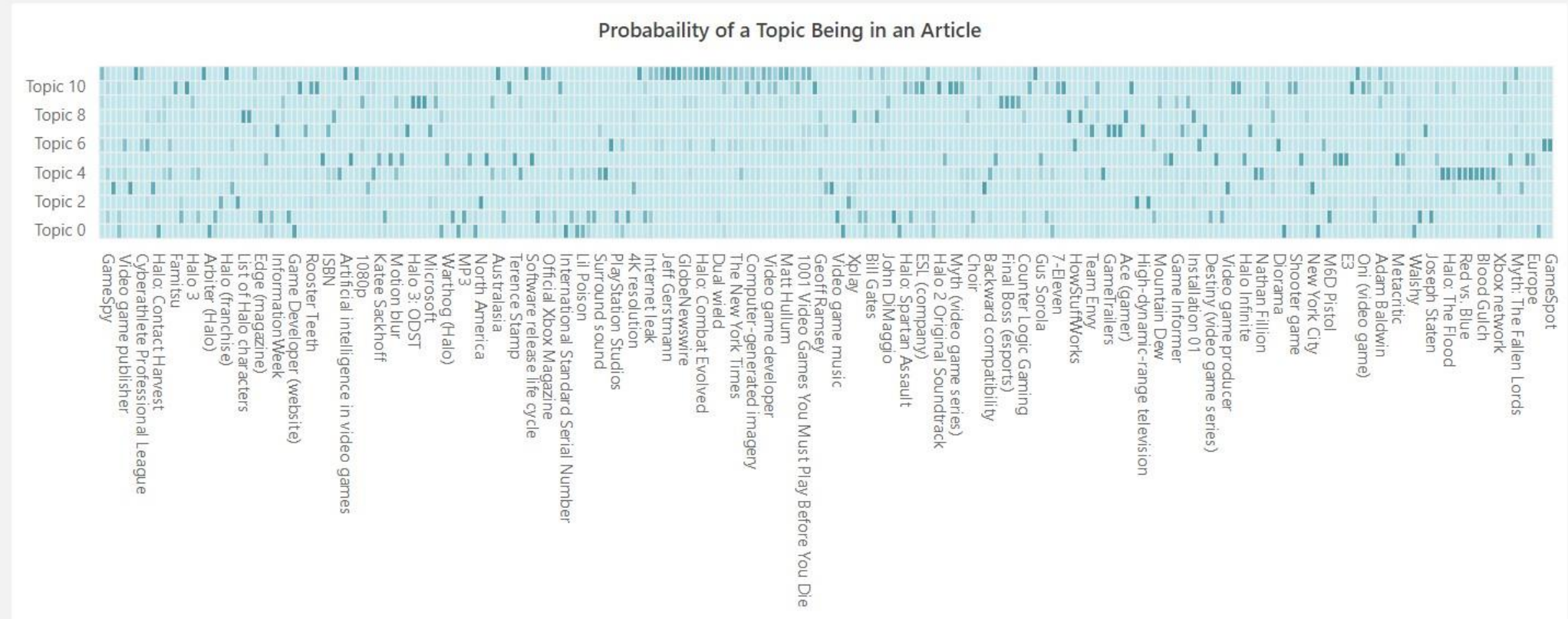
Related Documents

Morty Smith

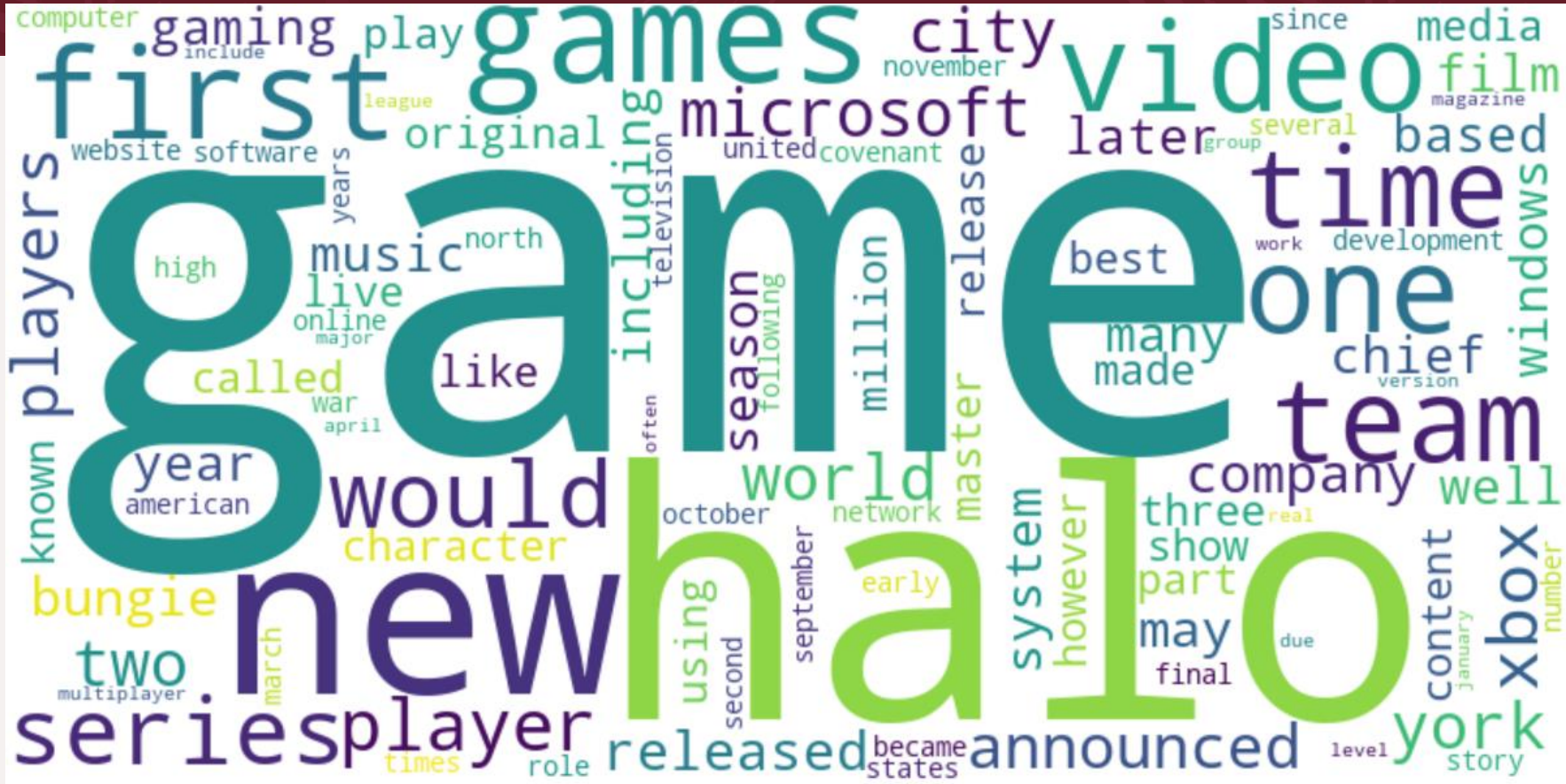
Destiny 2

Demo Screenshots

HEATMAP



Demo Screenshots



References

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