Final Project

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| CROSS-PLATFORM DATA ANALYSIS |
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|  | examine the characteristics of user behaviors between Twitter and YouTube. |
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|  | First, described how we collect our cross-platform dataset. In order to maintain the reliability of the data analysis, |
|  | we manually select some widely- known top news topics that are frequently talked about both in Twitter and YouTube. |
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|  | Second TF-IDF representation of Tweets plots and YouTube data plots here I am using the TfidfVectorizer from scikit-learn |
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|  | Third, with cosine similarity matrix computed, defined the function “recommendations” that will return top recommendations videos |

Django web framework to fetch YouTube and twitter data

Screenshot 1 : selected You Tube topics From YouTube Data API

Graphical user interface, text, application, Word

Description automatically generated

Screeshot 2 : Tweets on Wildfire topic Using TWITTER API

Graphical user interface, text, application

Description automatically generated

Screenshot 3 Tweets on Artificial Intelligence topic using YouTube DATA APIGraphical user interface, text, application

Description automatically generated