

Daily Log

Monday November 11

Continued Process of Researching into Text Summarization and Possible Solutions. Read Mostly on the Differences between Extractive and Abstractive Summarization.

Tuesday November 12

Continued Process of Researching into Text Summarization and Possible Solutions. Found an Article that Discusses Text Summarization Well and also Mentioned Different Possible APIs that Can be Used (<https://towardsdatascience.com/text-summarization-in-python-76c0a41f0dc4>).

Thursday November 14

Decided to Start with TextTeaser as Our Text Summarization API. Skimmed Over the Github to Get a Better Idea of How it Worked and How to Implement Properly. Looked to See if There was a Way to Customize Algorithm and Results. Uploaded Code to SysLab Github.

Timeline

Date	Goal	Met
Nov 1	Get Results from IBM Watson Speech to Text for Multiple TED Talks	Yes, Got Transcripts for Around 40 Different TED Talks
Nov 8	Research Possible Text Summarization APIs and Methods	Yes, Read Different Articles about Ways to Summarize Text
Nov 15	Continue to Research Possible Text Summarization APIs and Methods	Yes, Decided to Move Forward with TextTeaser
Nov 22	Begin Implementing a Text Summarization Algorithm	
Nov 29	Continue Implementing a Text Summarization Algorithm	
Winter Goal	Summarize a TED Talk by Implementing a Text-Summarization API	

Reflection

It was interesting to see two different approaches to summarizing different pieces of text. I seemed to think the abstractive method would produce better results for this project as it more closely replicated humans. It was interesting how it could add words not used in the text into the summary. In addition, we could utilize our Natural Language Processing and Machine Learning knowledge to implement it. After looking through different API options, I decided to use TextTeaser. Next week, I hope to move to working with the Github Code to implement our own version of TextTeaser.