

Daily Log

Monday September 30

Looked into Sample TED Talk to Find Where Introduction Ended and the Actual Talk Began. Added a Buffer to my Code as an Offset and Ran the Script to See if Results Improved Even Slightly. Looked into the IBM Watson Speech to Text API as a Possible Alternate as My Partner and Mr. White Recommended It.

Tuesday October 1

Made a IBM Watson Speech to Text API and Tried Using the API Key and URL to Implement the API. Struggled with the Initial Implementation and Looked into Tutorials and Stack Overflow Threads to Find Help (<https://cloud.ibm.com/docs/services/speech-to-text?topic=speech-to-text-getting-startedgetting-started-tutorial> and <https://www.ibm.com/blogs/watson/2017/05/3-ways-get-watson-speech-text-api/>). Continued to Run Into Issues and Decided to Continue with SpeechRecognition for Now.

Thursday October 3

Continually Ran Tests on Script Involving SpeechRecognition to See if There was Variation in Results. Had to Manually Find the Length of Each Introduction for Each TED Talk before Running and Tried Finding if There were Any Audio Files that Corresponded with the Given Transcripts. Saw Slight Improvements without the Introduction, as Expected.

Timeline

Date	Goal	Met
Sep 20	Be Able to Input a Whole Ted Talk and List the Most Probable Transcript	Yes, Decent Transcript Returned in about 40 Seconds
Sep 27	Be Able to Better Account for Sounds such as Applause and Laughter	No, Looked into Detections and Decided Partner Would Focus on It
Sep 4	Integrate Laughter/Applause Detection from Partner and Script	Almost, Partner Still Working on Finishing Touches to Detection Models
Oct 11	Find Best Extension of Speech Recognition and Compare All Transcripts	
Oct 18	Research Possible Text Summarization APIs and Methods	

Reflection

While looking through reviews on the IBM Watson Speech to Text API, I saw that it had some potential for the future and was frustrated that I could not get it to fully function. I hope to return to this API in the future and compare its results with SpeechRecognition. In addition, it was tedious to manually find the length of each introduction and create a buffer in the code and I wondered if there were different audio files that did not include this introduction. However, it was good to see the slight improvement in the results and I hope to full integrate the detection models to better these results in upcoming weeks. Below is a snapshot of the transcript without the introduction.

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running how are you VALUE_ERROR VALUE_ERROR free themes having a running through the
conference what is the extraordinary evidence of human creativity all of the presentations
that we've had people here arrangement no idea what's going to happen in the future let's
make plans everybody has an interest in education education Translate if you witness yes
you know how fast can you never answer back carousel can you say to somebody to do
education you can see the blood my one-night Hathaway but if you ask about the wall deep
with people I don't think so I think we all do that we have a huge possibly because it's
education it's meant to take a future that we talked and grass if you think of it this
year will be retiring in 2065 nobody has a clue pray for the past 4 days educational
Forest this is the only ready VALUE_ERROR I mean Serena last night was a model wasn't she
just seeing what she could do she's exceptional but I think she's not exceptional in the
whole roof of childhood medication to find a talent pretty rooster say coconut creativity
creativity Nation as electricity and we should treat it with the same status VALUE_ERROR
VALUE_ERROR 15 minutes left when I was born I had a great story with somebody Diana
drawing lesson she was six inches of the back drawing and then the teacher said this
little gal. attention and the teacher was and the girl said I'm drawing a picture of God
and the teacher said but nobody knows what God looks like VALUE_ERROR VALUE_ERROR when
my son was full VALUE_ERROR he was in the Nativity Play VALUE_ERROR VALUE_ERROR James.
Thompson Joseph which would we consider the street one of these cops jeans and t-shirt he
didn't have to speak but the three kings come in extended living gold frankincense and
nyrrh this really happened I think just went VALUE_ERROR betterswitch I said I bring you
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