Daily Log

Monday October 7

Detection Models Seemed to Unrealistic to Implement and We Decided to Commit to IBM Watson. Worked on IBM Watson Curl Commands in Terminal. Kept Getting a "An error occurred while processing your request." Found Weird Responses and Answers to This Error and Decided in the Long Run it would Be Better to Work on the IBM Watson Speech to Text API in Python.

Tuesday October 8

Read Through API Reference on Website and Tried Implementing a Basic Translation. Ran into Packages Issues and Then Authenticator Issues. Went Through Many Stack OverFlow Threads to Find the Issue. Finally Consulted Mr. White and Realized Issue was that File Name was Same as Library Name. This Caused the Computer to Look at Wrong Place (Really Annoying). Changed Filename and No Error Was Returned and It Returned the Correct Transcript for the Sample Audio File that Was Used.

Thursday October 10

Tried Using IBM Watson Speech to Text API on First TED Talk. Found out There was a File Size Limit at 100 MB, which is Smaller than one TED Talk. Then Tried Testing on a Sample YouTube Video and Got Extremely Better Results Compared to SpeechRecognition. Had to Format Output of Transcript Better and Looked into Ways to Break Audio File Down into Two to Three Large Segments to Combine Transcripts.

Timeline

Date	Goal	Met
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
Oct 4	Integrate Laughter/Applause Detection from Partner and Script	Almost, Partner Still Working on Finishing Touches to Detection Models
Oct 11	Integrate Laughter/Applause Detection from Partner and Script	No, We Decided to Use IBM Watson, Which Detects Laughter/Applause
Oct 18	Get Results from IBM Watson Speech to Text for all TED Talks	
Oct 25	Research Possible Text Summarization APIs and Methods	

Reflection

In the long run, switching to IBM Watson Speech to Text API was a better move as it automatically accounts for laughter and applause. In addition, it catches fillers such as "um" and replaces it with "Hesitation." While looking at the results from the sample YouTube video, the API seemed to better account for proper nouns and the transcript seemed to have an overall coherent flow. Sadly, there is a cap on the size of the audio file for one call to the API and I have to work on splitting TED Talks into two to three segments and later combine the transcripts. Below is a Screenshot of the Beginning of the IBM Watson Speech to Text API Transcript for the Sample YouTube Video.

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there's a journal this is he's very very athletic member now last year twenty three points
a game in top sixteen in the link that you can't not the most cost of getting a good look
at the room excludes the room it is called great right there by Paul he could have laid
that often sell what you see with the dissident played last couple of years with the
Knicks JJ Redick an excellent pickup for the elections %HESITATION Williams of the court
that's forty seven points and twenty rebounds can you replace the flood you could see the
lakes here right now the pelicans up like just the man left the opposite corner was right
on the box he's a tough number Florida there is a way William soon inside gets passed what
we know is that I put in again there's a balance well this is also a good I can read you
on the move the fender just hesitated a little bit we launches three meanwhile in the
second half of the season we got a chance because of injuries to start the second half is
look runs right into some traffic thanks unfortunately dismissed the last so the that just
four years scoring at will and efficiently yes if you if you are approaching his game
you're really upset with your transition the ball right back at you and make it when there
was contact in a room did not get the was I the one of the play to stop well if you get to
play the type of digital and once you have to have a second unit that can be productive
ball handling skills holiday off the errant nice nice to open one to right there we do
software like the additions now with white Warnecke this is for your second thanks for the
will of William said again just quickly powers to the bass he's got twenty three twenty
nine of ten from the field very good observation I like the car this time the school play
up we so the message Alexander Walker nice feel he said on candy ability to finish around
the room the world's third the Lincoln he seems to be in the right place no very good
until story high IQ of understanding where the ball is in the angles of the court the
pelicans out of school forty one to eighteen in the fourth quarter in the come from behind
win okay I've got two preseason games on your belt tell me what you're thinking in terms
of life in the NBA and plan on the court traveling off the court what's it been like so
far %HESITATION it's been a learning process but it's been a fun process %HESITATION I'm
living my dream %HESITATION one and have this job for a long time and this is how far
would I what what are your impressions in terms of the NBA what's the biggest difference
between the college ranks in the NBA %HESITATION you know the score %HESITATION really me
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