

Homework # 12

MATH 110

In this homework we will use the AWS command line interface (AWS CLI) to work with speech and text files. The lecture and attached files will help to get you started.

1. Using system calls to the AWS CLI, write the following functions that transcribe an mp3 file. In all cases below, I have left the choice of the function's variables up to you.
 - (a) `submit_mp3.transcription(...)`. This function should submit an mp3 file to AWS transcribe.
 - (b) `check_status.transcription(...)`. This function should check if AWS has finished transcription of a mp3 file
 - (c) `get_transcript.transcription(...)`. This function should return the transcript of an mp3 file transcribed by AWS
2. Write a function `translate(...)` that can translate text from any language supported by AWS to any other language supported by AWS translate.
3. Use AWS Polly to write a function `speak(...)` that converts text in any language supported by AWS Polly into a mp3 file.
4. Use your functions to transcribe each of the included Churchill speeches. Each speech should be transcribed into a separate text file. Then convert each of the transcribed files into an mp3 file of the speech, in a language other than English. You should create separate folders for the transcripts and mp3 files, and all these files and folders need to be created by either R functions or system calls.