

MUSC 3264: Lab Assignment 1 (Due Tuesday, February 25, by 11:59 pm)

- 1) Start by importing the necessary libraries in the first cell of the notebook
- 2) Create a function that inputs the name of an audio file and a sampling rate

Remember the basic template for creating functions

```
In [1]: 1 def printText(string):  
        2     print(string)  
  
In [2]: 1 printText('Hello world!')  
Hello world!
```

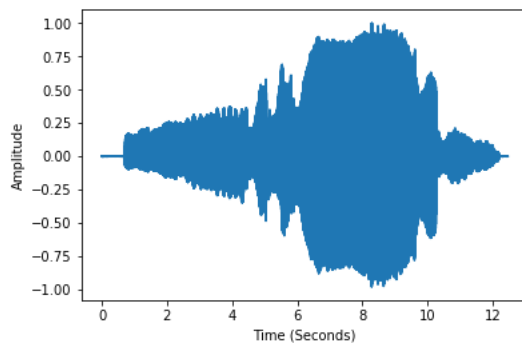
In the function you should use `librosa.load()` to open the specified filename with the specified sampling rate

Use variables for the x- and y-labels

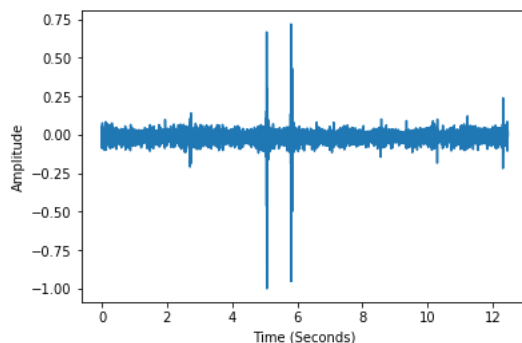
The function should plot the time-domain (waveform) representation of the audio signal with time in seconds on the x-axis and amplitude on the y-axis

- 3) Run the function twice (in different cells)

First use 'avm.wav' as the filename with a sampling rate of 44100, it should generate this plot



Second use 'avm.wav' as the filename with a sampling rate of 441, it should generate this plot



- 4) Make sure the file is called "labAssignment1.ipynb" and saved in your GitHub repository.