**Readme file**

* Classification app folder:  
  contains the MATLAB GUI in order to label syllables – explained in video
* Reference papers: relevant papers for the project
* AutoEncoder and CNN models: html file to see what we did in the google colab, we used google colab to run our experiments, thus the .py file might not be that comfortable to under, we recommend colab to see it more clearly. (you can use GPU option in colab for a faster run)
* .npy files:  
  the loading of the information takes time so we saved the data and the labels after the preprocessing step.
* Excel files:  
  The files that we used to load the data, 2020 united is all the labeled data we have, the excel files are the results from using the MATLAB GUI for labeling.
* Project presentation ppt and mp4: to get basic idea about our project
* Updated\_ReadingAudio: the script for preprocess the data to wanted spectrograms as the MATLAB GUI shows.
* final project\_308515261\_312519853: Shahar and Renana project paper
* Instructions for labeling: explains how we labeled the data – it is extremely important to be synchronized on how to label the data!
* Segmentation and Classification Code:  
  inside the folder there is a GUI that is use for segmentation (also classification but it is faster to use the Classification app folder for classification)