Voice Recognition

Seroussi Yishay ✿   Bismuth Samuel ✻   Shaag Yehonatan ✦

Deep Learning Assignment 1

Abstract

Given a recording, and using deep learning, we are able to determine from which country is the accent of the speaker coming, and then, make assumption about the origin of the speaker.

To realize such a project, we need a strong data-set which have been build from the website provided by our lecturer. Our data-set include for each of the next languages : French, Hebrew, Russian and English, five different recording.

Each recording is the next text : " Please call Stella. Ask her to bring these things with her from the store: Six spoons of fresh snow peas, five thick slabs of blue cheese, and maybe a snack for her brother Bob. We also need a small plastic snake and a big toy frog for the kids. She can scoop these things into three red bags, and we will go meet her Wednesday at the train station. " reading by a subject

Adding to each recording, for each subject we got information, such as the next table 1.

birth place	st. laurent d'onay, france (map)
native language	french (fra)
other language(s)	spanish
age, sex	20, female
age of english onset	12
english learning method	academic
english residence	usa
length of english residence	0.4 years

Table 1: Biographical Data

✿ Student of Computer Science (third year), Ariel University, Ariel 40700, Israel. Id : 305027948. Email: seroussi1@gmail.com

✻ Student of Computer Science (third year), Ariel University, Ariel 40700, Israel. Id : 342533064. Email: samuelbismuth101@gmail.com

✦ Student of Computer Science (third year), Ariel University, Ariel 40700, Israel. Id : 308357953. Email: yoshago@gmail.com