

Qualcomm Problem Statement

Problem statement

Accent Detection: Given an audio clip of a person speaking in English, you are required to identify the native language of the speaker based on their accent when they are speaking in English.

Dataset

You have been given a dataset of audio files of various people - of different native languages - speaking something. You can use these to train your model. The dataset is organized such that all audio clips of a speaker of a particular native language are placed within a directory with the name of the native language of the speaker. For example: All audio clips placed inside the “afrikaans” directory contain audio clips of people whose native language is afrikaans.

Dataset Link:

https://drive.google.com/drive/u/0/folders/1KAwbnNh4ViFOCNK4MDtW1A0b_mpiBUGt

Evaluation

You will be evaluated on the basis of:

- 1) The accuracy scores (weighted F-1 score) of your model
- 2) Novelty (in any form like model architecture, training methodology or ideation)
- 3) Clarity of presentation