

Name : Pavan Kumar
Age: 23
Gender: Male
UH Id: 181996
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Pitch and Formant Analysis Report

1 Audio wave-form and spectrogram

1.1 Wave-form of selected part of the audio signal

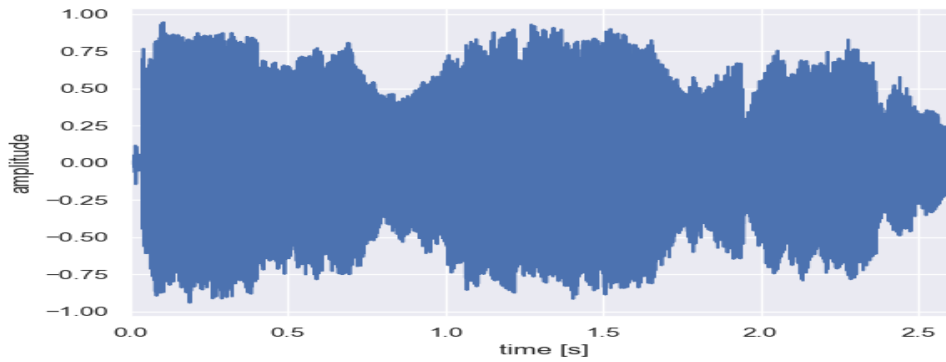


Figure 1: Wave-Form Plot

1.2 Spectrogram of selected part of the audio signal

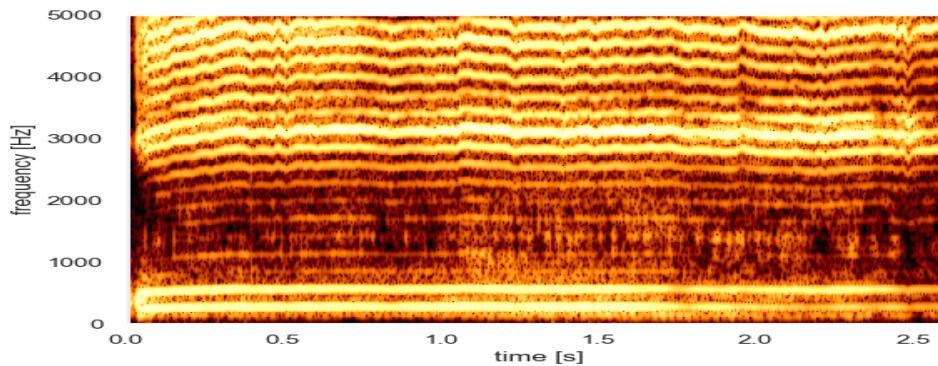


Figure 2: Spectrogram Plot

2 Pitch Analysis on the selected part

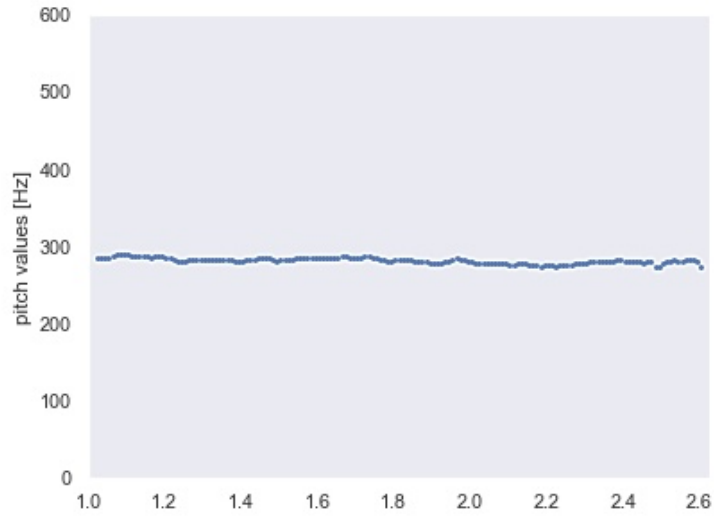


Figure 3: Pitch Plot

2.1 Pitch

Mean value : 259.0024466743301

Median value : 3.3678679023877933

2.2 Subject Gender prediction based on pitch analysis

Predicted Gender of the Subject is ['female']

3 Formant Analysis on the selected part

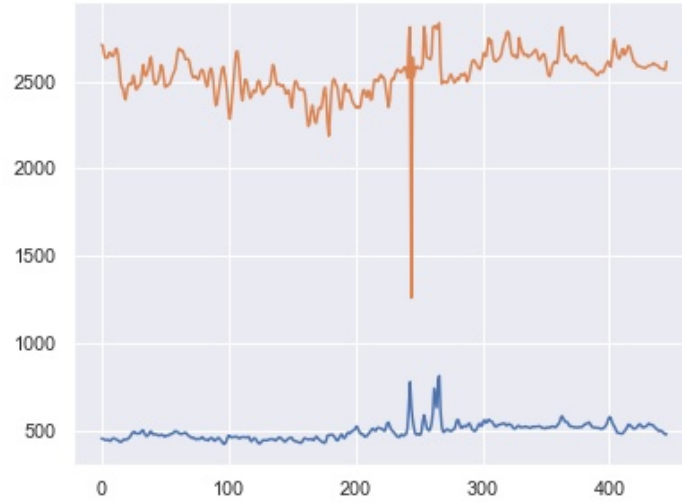


Figure 4: Formant Plot

3.1 First Formant

Mean value : 492.3357998942055

Median value : 487.758848527306

3.2 Second Formant

Mean value : 2546.664588087104

Median value : 2556.140946853917