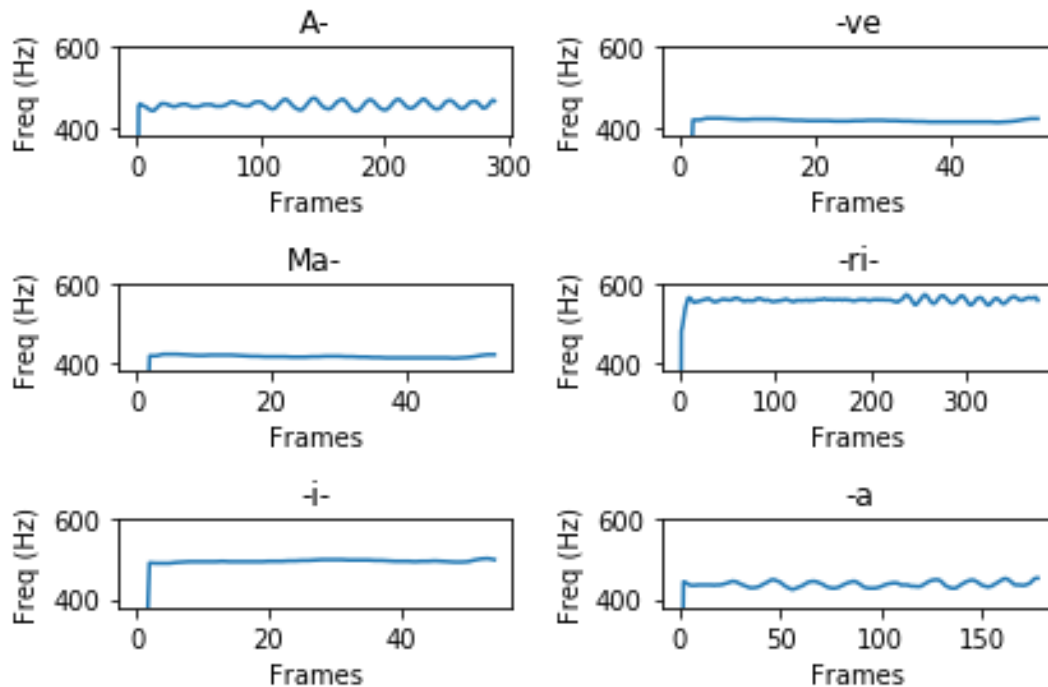## Lab 7: Fundamental Frequency

1. Create a notebook to generate the following plot using the audio files avmA.wav, avmVe.wav, avmMa.wav, avmRi.wav, avmI.wav, avmA2.wav

The notebook should include two functions
- One to extract the f0 data from each audio file
- One to plot each subplot

The f0 extraction function should accept arguments (default values, if needed, specified in parentheses) for:
   Filename
   sampling rate (44100)
   down sampling (1)f
   f0 estimation method ("yin")
   tolerance (0.1).
In the f0 extraction function, you should set the following parameters:
   win_s = 1764 // downsample
   hop_s = 441 // downsample

The subplot function should accept the following arguments (no default values):

    subplot number
    vector of values to plot
    title
    y label
    x label
    y limit values