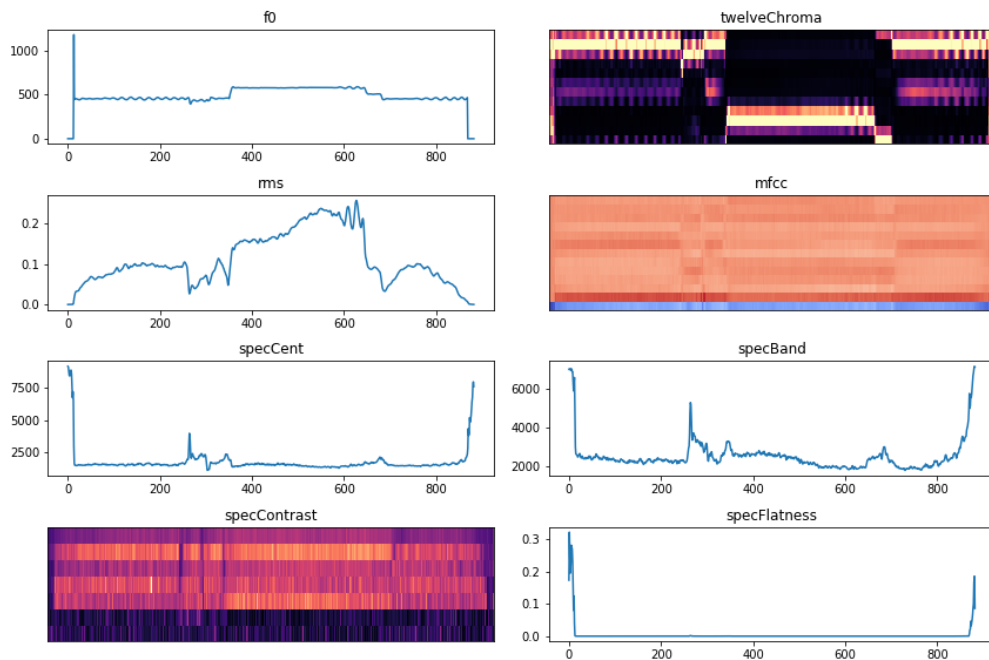


## Assignment 5

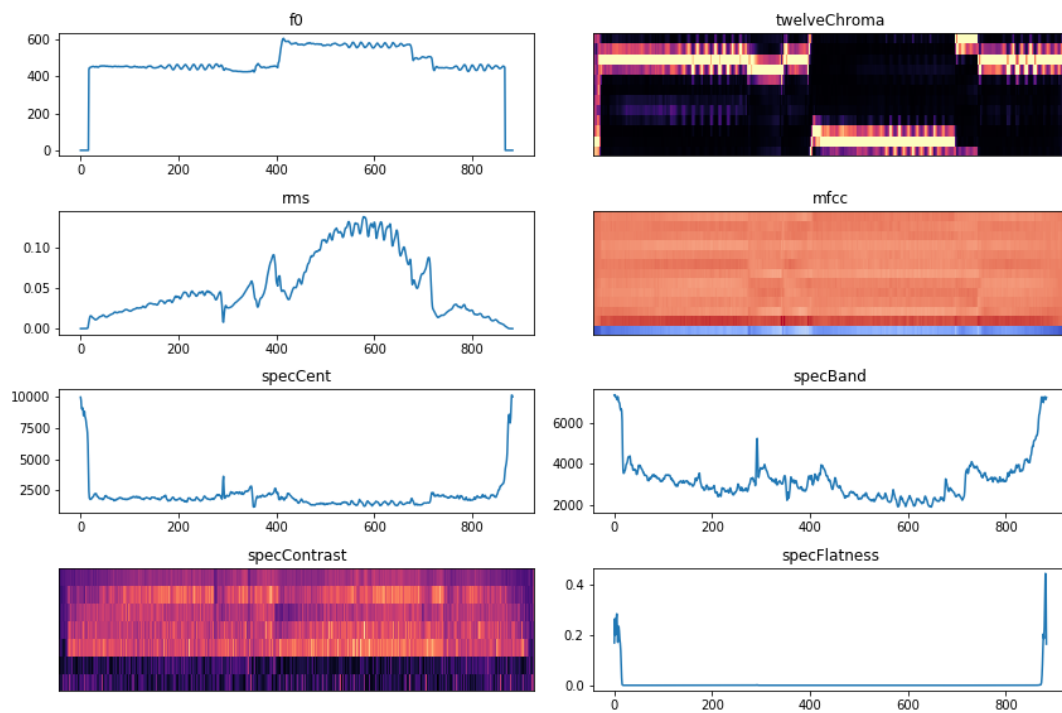
1. Reading (Due Monday November 26th by 11:59pm)
  - a. Read D. Ellis (2007). Beat Tracking by Dynamic Programming. *Journal of New Music Research*. 36(1): 51–60. (focusing on sections 1 and 3)
  - b. Briefly answer the following questions:
    - i. How does beat tracking differ from onset detection?
    - ii. What is onset strength? What is the onset strength envelope?
    - iii. What is a global tempo estimate?
2. Python Exercise (Due Thursday November 29th by 11:59pm)

Building on the Jupyter notebook “Loading functions with dictionaries and lists” and the function `analyzeAudio.py`, create the following plots using a list of files (`avm1.wav`, `avm2.wav`, `avm3.wav`, `avm4.wav`, `avm5.wav`, `avm6.wav`). Ideally you should put the code to plot each figure into a function.

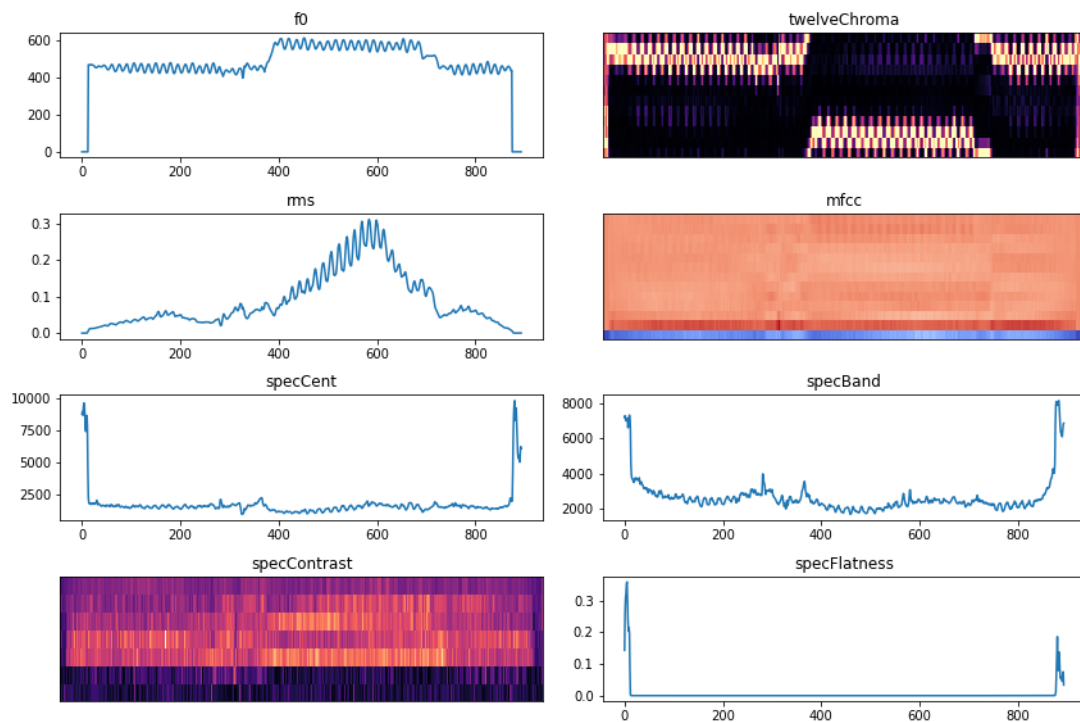
`avm1.wav`



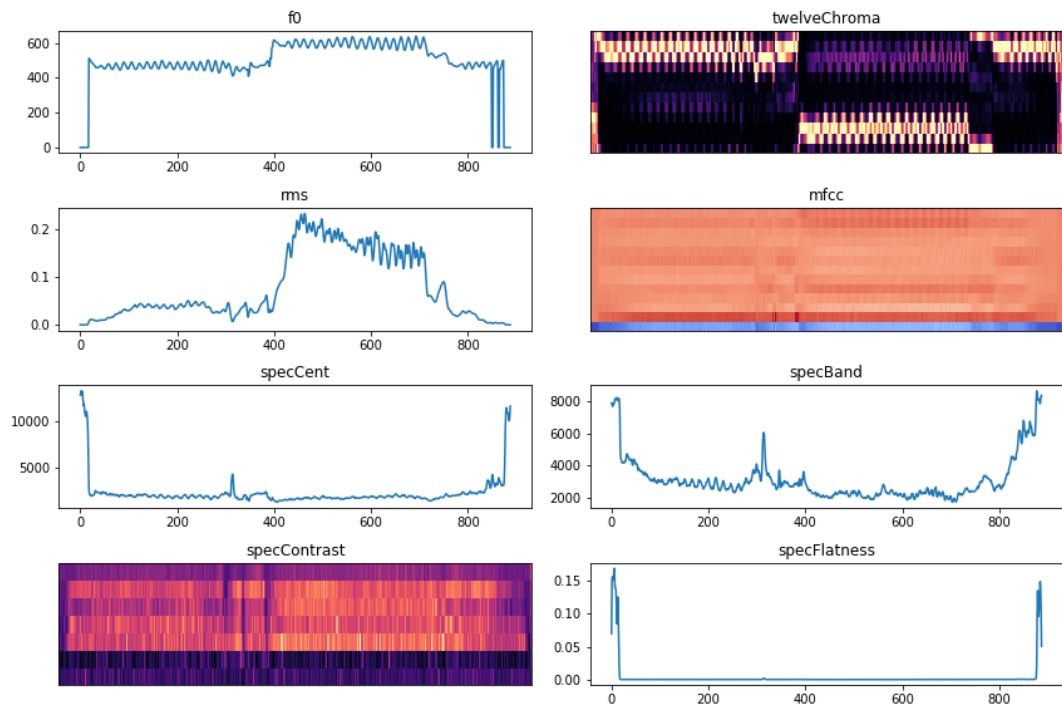
avm2.wav



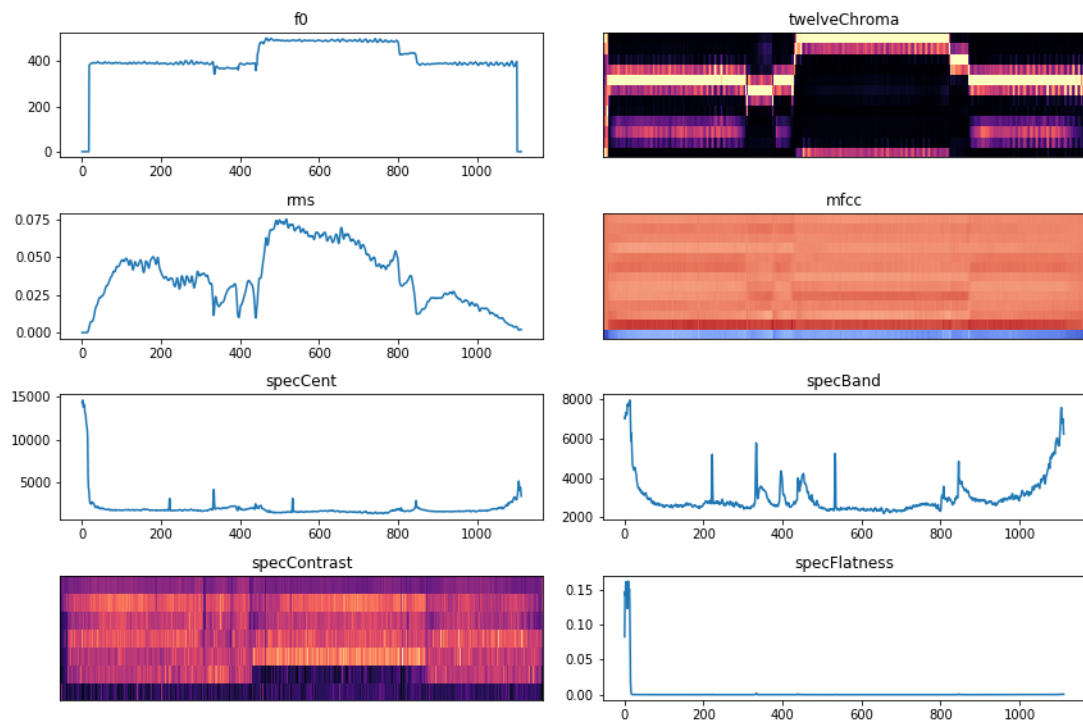
avm3.wav



avm4.wav



avm5.wav



avm6.wav

