Run duration\_counter.py, this will add the inputted part to the database and output scores in the selected\_analysis\_score.csv file.

It will ask you for xml file, this must be .musicxml file of the part you want, exported from musescore etc.

Input instrument and level of the part

It will ask you the song title if it’s your first time, press enter if you have entered it previously or don’t want to enter.

It will then ask if you want to add another xml, this is bugged atm and just continues to run the first one, look in duration\_counter towards end and check input variables, think it is a naming error I made earlier this morning when changing.

For now, press enter and run again if you want another part run.

The data for the last part run through is held in temporary.csv, this is passed at the end of duration\_counter to create excel sheets selected\_analysis\_stats and score, these show the summary stats from the complete database aswell as the data for the last inputted xml part, selected\_analysis\_score shows the score for each parameter for the xml part in selected\_analysis\_stats as well as the percentiles from which it extracts it’s score ( if data point is between 10th and 20th percentile it gives a score of 2).

Although I haven’t had chance, it would be useful to separate out this part of the program so you don’t have to go through the process of adding each part to the database again etc., this would also allow easier access to the scores for each part. A draught of this is in summary\_stats.py and is based on the code at the end of duration\_counter.py

Other improvements include neatening up the selected\_analysis\_score file, to show headers etc., add scores to the database file (full\_analysis\_stats)

There is another error that may come up with some parts saying about deletion of dictionaries, I didn’t have time to solve this, but should be solved with a bit of a look at the repetiton.py subcode.

If you want to reset the database or clear it, or create a new one, simply delete or rename full\_analysis\_stats.csv. Be aware that the scores are calculated based on statistics from this database so the more parts passed in, the more representative and accurate they will be.

Sorry, I know it’s not the best labelled code ever, and it can be a bit confusing but If help is required just mail cameronwyke@googlemail.com