

Converting Stereo files to Mono

Prerequisites

1. [FFmpeg](#).
2. A folder insider the ffmpeg/bin directory that contains the **STEREO** .wav files to convert.

Steps

1. Copy the BatchConvertStereoToMono.ps1 script into ffmpeg/bin.
2. Edit the BatchConvertStereoToMono.ps1 script to update the \$filesToProcess path.
3. Save your changes.
4. In the address bar type "powershell.exe" and press enter.
5. Run the script by inputting ".\BatchConvertStereoToMono.ps1".
6. Wait for the script to complete.
7. You should now have a stereo version and a mono version of each file.

Splitting up Mono files by a set duration

Prerequisites

1. [FFmpeg](#).
2. A folder insider the ffmpeg/bin directory that contains the **MONO** .wav files to convert.

Steps

1. Copy the BatchChunkMonoByDuration.ps1 script into ffmpeg/bin.
2. Edit the BatchChunkMonoByDuration.ps1 script to update the \$filesToProcess path.
3. Also update the segment_time value if you want to split on a different duration.
4. Save your changes.
5. In the address bar type "powershell.exe" and press enter.
6. Run the script by inputting ".\BatchChunkMonoByDuration.ps1".
7. Wait for the script to complete.
8. You should now have a folder for each mono file, which contains the parts of the file, split into durations of the length specified in the BatchChunkMonoByDuration.ps1 script.

Splitting up Mono files using silence detection

Prerequisites

1. [Python 3.8 for Windows](#).
2. Check out <https://github.com/BeigeBadger/pyAudioAnalysis.git>.
3. Follow the installation instructions [here](#).
4. Reference: <https://walczak.org/2019/02/automatic-splitting-audio-files-silence-python/>.

Steps

1. In Windows Explorer navigate to the path where the **MONO** files that you want to split are stored.
2. In the address bar type "powershell.exe" and press enter.
3. To split a single file run the following command:
 - a. `python <absolute-path>\pyAudioAnalysis\pyAudioAnalysis\audioAnalysis.py
silenceRemoval --input <my-file>.wav --output <output-folder> --smoothing 1.0 --weight
0.3 --minDuration 5.0 --maxDuration 10.0`
 - i. Adjust the values for:
 1. input
 2. output (this folder must exist already)
 3. minDuration
 4. maxDuration
4. To split multiple files (batch mode) run the following command:
 - a. `python <absolute-path>\pyAudioAnalysis\pyAudioAnalysis\split_continuous_audio.py`
 - i. Adjust the values inside this file for
 1. path to the audioSegmentation script
 2. minDuration
 3. maxDuration