

# Lab 5: Essentia Music Lab

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Week 5

# Overarching Question

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# Question

- In 2018, Manchester Orchestra and The Front Bottoms released “Allentown”
- While All Get Out wasn't listed as performing the track, they did get writing credit in the album jacket.
- Who had a bigger impact on the track? Overall? What it sounds like? What it reads like?

# Data Sources

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# Data

- Data: 181 .WAV music files, each is a track
- Essentia Extractor Data: Essentia conducts a spectrogram analysis of the music files and provides output in .JSON files.
- Essentia Model Data: I used Python to interact with Essentia Models to collect data about what the music sounds like in more human terms (Sad, Angry, Happy, etc.)
- LIWC Data: I used the LIWC-22 program to analyze the lyrics I collected for all 181 songs.

# Writing

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# Writing, not Coding

- Your write up should be understandable as a standalone document. Someone should be able to read the document and be able to *easily* understand the problem and your solution.
- I want a summary of what you did, only what is necessary for me to understand the solution you're providing.
- I can read your code if I want to know *every* step you have taken.
- It is challenging to concisely summarize complicated work in simple terms but it is a necessary and sought-after skill.

- You should cite:
  - Essentia
  - Essentia Models
  - LIWC
  - Any packages you use in R
  - Any outside sources you reference.



# Self and Peer Review

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# Review

- Read your work aloud – change anywhere it feels awkward to read and fix any typo/grammar issues you find
- Read your work at least one more time.
- Exchange work with your peer for a careful and constructive peer review.
- Longer and more complicated is not better in this type of writing. We aim to exchange ideas so we must communicate clearly.