**Question/Need:**

* This project aims to create an interactive music map on the artist level, where a user can provide a ‘seed’ artist and continually build a web of artists that are related by genre
* My client is the musical connoisseur of 2022, who wants to discover music through self-guided exploration of related artists.
* Pipeline steps:
  + Data ingestion via web scraping (BeautifulSoup and requests)
  + Pickle ingested data
  + Store data in a MongoDB (or SQL, if MongoDB doesn’t work for me)
  + Upload data and adjacency-processing scripts to Google Cloud
  + Connect cloud-based efforts to interactive StreamLit app

**Data Description:**

* I will be scraping all artist and genre information from [Every Noise At Once](https://everynoise.com/engenremap.html)
* If possible, I would like to have my database automatically ingest new data, though as of this writing the technicality of that prospect eludes me.
* One row of data will be a given musical artist and the genres that artist is associated with
* The columns will be the musical genres
* As I understand my project in this moment, I am not performing modeling.

**Tools:**

* Once the preliminary data is scraped (using BeautifulSoup and requests), the data will be stored with MongoDB.
* I will use Google Cloud to handle data processing
* Ultimately, I intend to deploy a web app, probably built with StreamLit
* I am not currently planning on using additional tools.

**MVP Goal:**

* My MVP will hopefully show a basic interactive web app that can take user input (starting with single artists) and generate an on-demand web of related artists.