**Metal Maps YouTube Project**

* Genres remaining: Death, Speed, Power, Heavy, Groove, All

**Data Processing (every genre)**

**STEP 1**

* *metal-archives-scrape-thrash.ipynb*
* Get the links for every genre. Search from the genre’s page and scrape every band (name, genres, link).
  + **thrash-bands-links.json**
* Then for every link, goto the page and scrape the band info (@ 2hrs every 5000 on Colab)
  + **thrash-bands-valid.json**

**STEP 2**

* *thrash-loc.ipynb*
* Get the location details for every valid band. Build up a string replacement list. This is the longest step where errors need to be checked and locations validated. It can take 2 to 3 days for big genres.
  + **thrash-bands-valid-loc.json**

**STEP 3**

* *thrash-year-origin.ipynb*
* Process the origin string and add regions details using *us-data.json.* The info for the world regions is collected here.
  + **thrash-bands-valid-loc-years-region.json**

**STEP 4**

* *thrash-score-rank.ipynb*
* Score and rank each band. Bands are ranked using a tiered system. Every ‘map’ can be listed here to view the bands.
  + **thrash-bands-valid-loc-years-region-rank.json**
* Filter each band for the top x bands in each local region.
  + **thrash-bands-top-bands-rank.json**

**STEP 5**

* *thrash-images.ipynb*
* Get and store the logos for each band.
  + **Images/logos/thrash/region**
* Create logos that don’t exist. This has to be done local for fonts (use temp files, do transparent local too and ‘made\as genre)
  + **Images/logos/made**
* Make the background for all logos transparent.
  + **Images/logos-transparent/thrash/region**
* Add the image size property.
  + **thrash-bands-images.json**

**STEP 6**

* *thrash-data.ipynb*
* Add an index and create the final data structures. Use this notebook to create modified images.
  + **thrash-bands.json**
  + **thrash-lookup.json**
* Websites ‘wikimetalvis.com’ and ‘wikipunkvis.com’ and a series of youtube videos.
  + Aim for about 4-5K bands (1:20 metal-archives)
  + METAL ONLY:
  + For Punk: Research (??) starting with YouTube Documentaries (Punk Victoria(lists canadian bands with years active), Minnesota, New York etc)
* CURRENT
  + 457 thrash bands and 511 black bands with logos and photos
  + Prototyping maps

**TASKS**

* Design and implement ‘add to map’ and ‘remove from map’ animations.
* Find around 10 svg for metal and punk genres.
  + Plus collect band svgs (prob. not needed now as have logos)
    - <https://tiagoporto.github.io/svg-music-logos>
  + Noun Project or other
* Get data from wiki
  + ~~THRASH missed nations (not in nationality page)~~
  + ~~Scrape BLACK METAL~~
  + Scrape POWER METAL
  + Scrape DEATH METAL
  + Scrape HEAVY METAL
  + Scrape SPEED METAL
  + \*Scrape INDUSTRIAL METAL
  + Review wiki for the exact genres
* Country, State, City Areas
  + Design and set areas in Leaflet
    - Design map tiles in OpenStreetMap/Mapbox other
  + Or Use GEoJSON and D3 (test access and features in below)
    - <https://datahub.io/core/geo-countries#python>
    - <https://geojson-maps.ash.ms/>