* Your [preliminary!] research question/relevance​
* Data/possible dataset sources​
* Methodological plan ​

datasets:

Cleaned\_songs.csv (130266 entries)

* lyrics, link to video, artist information, title, genre
  + let’s ignore the years/dates

Music\_videos.csv (323 entries)

* genre, song\_id, song name, year of release, artist, genre, lyrics, video\_path
* <https://github.com/mdeff/fma?ref=pythonrepo.com> - fma

aim:

* to improve the genre classification with video material analysis (e.g., colors, emotions, colorforness, when emotions, lightness fluctuation patterns)

approach:

* general genre classification using lyrics (as before)
* descriptive statistics on video
  + making individual model for descriptives on genres (?)
    - unlikely!!!
* add the features to the lyrics model
* compare the model with and without the video

**Introduction:**

previously only lyrics or only video features (whether auditory or visual), but see whether combined we can achieve an even better result.

**Data preparation and visualisation**

* Show distribution of different features (in general and within genres)

**Discussion**:

some genres are connected to certain topics (e.g., love, death, etc). This topic may be a mediating factor for the relationship with colors in music videos.

RQ Ideas:

Correlation between video features and lyrics topics (genre or topic similarity)

Is there more correlation between video features and topics, or video features and genre?

Does that differ in the genres?

Sexualisation in pop music across time - Look at facial expressions / emotions of music videos + lyrics sentiment analysis

Packages:

<https://github.com/yahoo/open_nsfw?ref=pythonrepo.com> - open nsfw

<https://github.com/notAI-tech/NudeNet?ref=pythonrepo.com> - nudenet

<https://github.com/wufan-tb/yolo_slowfast?ref=pythonrepo.com> - yolov5

<https://github.com/facebookresearch/fastText?ref=pythonrepo.com> - fast text

[**https://github.com/oarriaga/face\_classification?ref=pythonrepo.com**](https://github.com/oarriaga/face_classification?ref=pythonrepo.com) **-** face classification

<https://github.com/facebookresearch/ClassyVision?ref=pythonrepo.com> - image and video classification

<https://github.com/BrikerMan/Kashgari?ref=pythonrepo.com> - nlp learning

<https://huggingface.co/facebook/detr-resnet-50> - object detection