rockpy

**Members**

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**Project Outline**

The purpose of this project is to analyze the top 100 billboard songs from (the past 20 years?) various genres to find what formula creates a lucrative venture.

**Questions**

* + How does the positivity/negativity affect popularity?
  + How does word repetition affect popularity?
  + How does word density affect popularity?
    - Words/minute
  + How does song length affect popularity?
  + How does instrument usage affect popularity?
    - Number of instruments
    - Type of instruments
  + How does the beat density affect popularity?
  + How does voice range affect popularity?
  + Does name recognition allow them to deviate from the formula?
  + ~~Does popularity result in ticket sales?~~

**Data Sets**

* + Billboard API
  + Kaggle
  + Musixmatch
  + Ultimate Music Database
  + Songkick database to track events
  + Get Song BPM

**Breakdown on Tasks**

Initial analysis for what might be the factors to focus on.

Collect data.

Clean data.

Make graphs.

Summarize.

**Bonus:**

If there is time, parallel data will be pulled from 10 years ago to see what if anything has changed.