

How Does Rap Influence Pop Culture?

Daiya Masuda, Steven Worrall

stevenworrall.github.io/DataVisFinalProject/

Our Idea

- Compare prevalent words within lyrics to Google search trends.
- Attempt to show basic level of correlation by using release dates of songs and increased trends.

Our Goal

- Gain insight into the possibility of marketing brands within rap or music in general.
- Quantify the possible increase in gain for individual brands.
- It might be possible to use brand's sales data compared to increased search trends to show overall gain from marketing via music.

Data

Two sets of data:

1. Per song data - showing trend influence from a single song
2. Word vs trend data - top 50 songs over the past 10 years shown side by side on two seperate stream graphs.

Data collected through use of Python scraping script

Implementation Details

- Built in d3.js + HTML + CSS
- Four files - two d3 files, one HTML file, and one CSS file

208 commits		2 branches	0 releases	2 contributors
Branch: master ▾		New pull request		Create new file Upload files Find file Clone or download ▾
dymzd Update Demo.csv		Latest commit af95225 a minute ago		
Data	rename and clean	7 hours ago		
pythonScripts	reformmating repo	19 days ago		
trendScore	Rename Vercace.csv to Versace.csv	8 hours ago		
wordCount	Update Demo.csv	36 seconds ago		
README.md	Update README.md	a month ago		
albumSelector.js	finall	6 hours ago		
index.html	hidden	8 hours ago		
streamGraphs.js	Update streamGraphs.js	10 minutes ago		
stylish.css	Update stylish.css	11 hours ago		

Demo

<https://stevenworrall.github.io/DataVisFinalProject/>

Going Forward

- Add in a button to reset the stream graphs
- Add tooltip on stream graphs to show more details while hovering over specific areas
- Add button to remove chart from album selector
- Make stream graph colors correspond with album artwork

Final Thoughts

- Gathering data through scraping isn't ideal
- Adding images to SVG elements isn't exactly straightforward
- Stream graphs are super complex and making them work together is a mess

Questions?