Data Science and Lyricism

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Isolated analysis of lyrics

- Isolated analysis of lyrics
- Find trends in lyrics of different genres

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- Find trends in lyrics of different genres
- Provide a tool for music exploration/creative process

Methods: Data

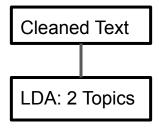
Methods: Data

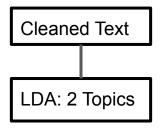
- Pitchfork's top 200 albums of the 2010s
 - Variety of genres
 - Current
 - o Good!
 - o Small:(

Methods: Data

- Pitchfork's top 200 albums of the 2010s
 - Variety of genres
 - Current
 - o Good!
 - Small:(
- Cleaning
 - NLP
 - Lemmatization
 - Nouns and verbs
 - Stop words

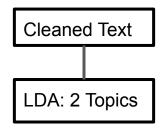
Cleaned Text





Topic 1

Topic 2



Topic 1

b****

n****

s***

money

real

Topic 2

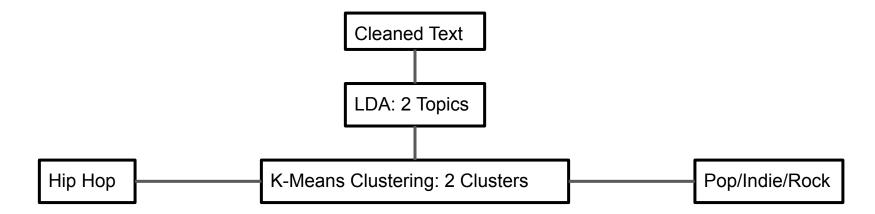
love

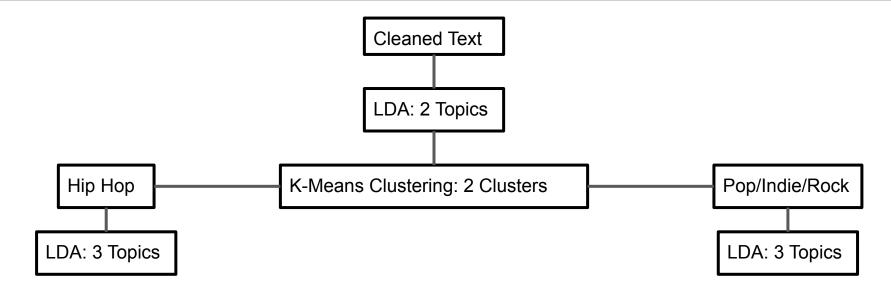
night

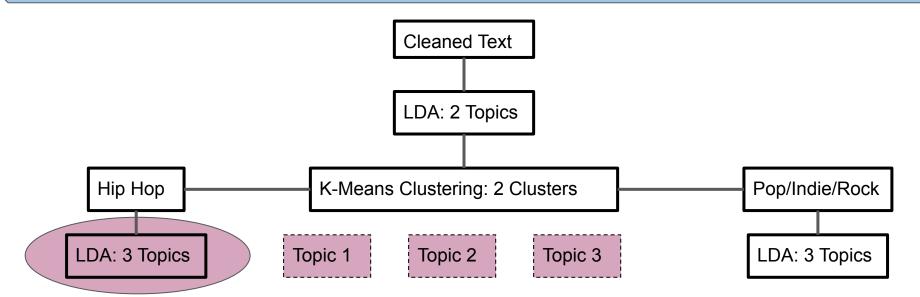
day

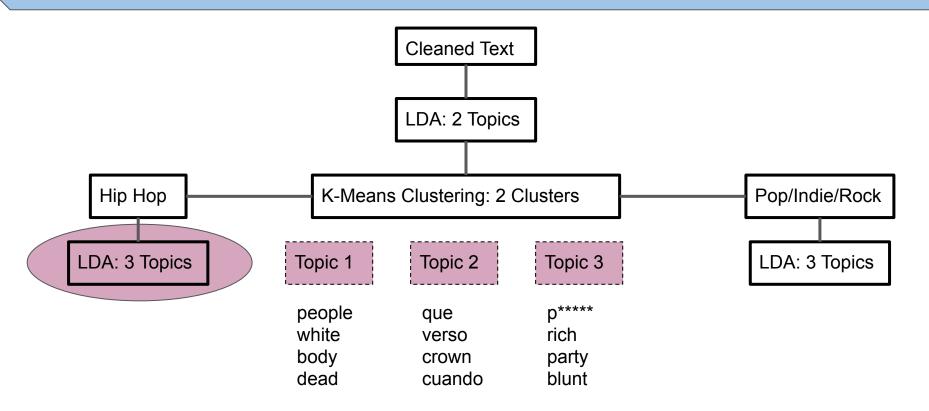
heart

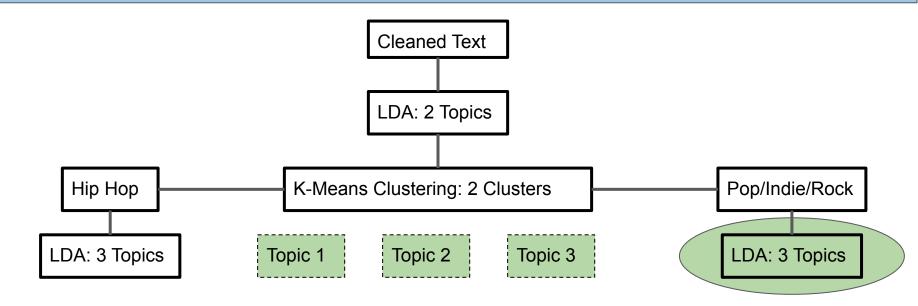
eye

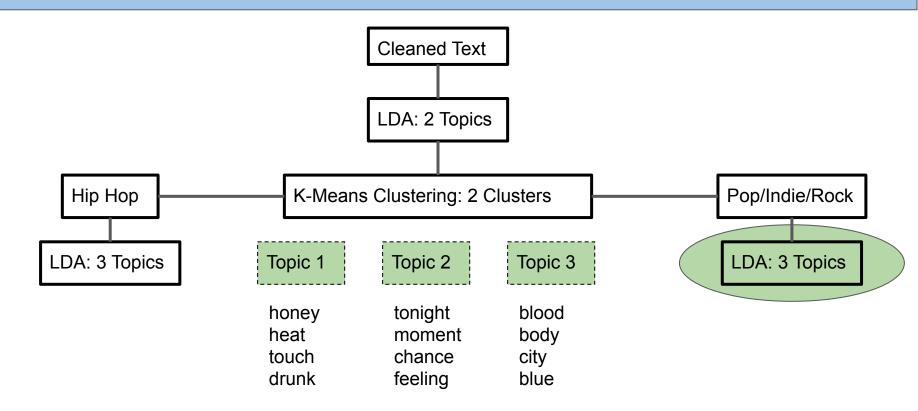


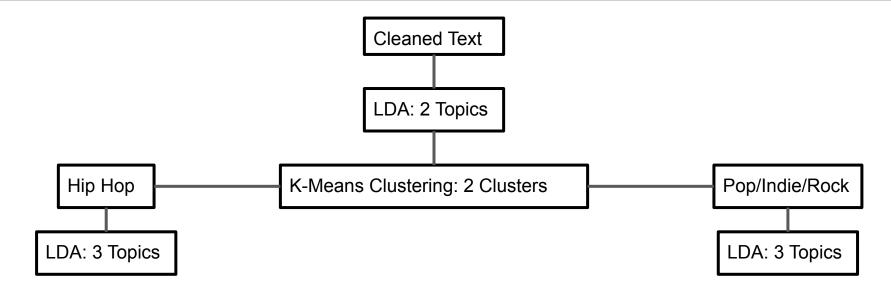












Results

Old Friends by Pinegrove

"Walking outside labyrinthian Over cracks along under the trees I know this town grounded in a compass Cardinal landing in the dogwood"

Julia Holter

"Sally, things close early It's a holiday, they tell me How long have you lived here? Have you seen the river?

Results

Trash by Show Me The Body

"Take drugs when I need to Get love when I need to, fuck when I need to Show love when I need to Get rough if in need, get up if I need to"

The Weeknd

"I only call you when it's half past five
The only time that I'll be by your side
I only love it when you touch me, not feel me
When I'm fucked up, that's the real me"

Results

Dark Web by Teejayx6

"The government tried to ban me from the dark web (Tried to ban me) I downloaded Tor Browser, then got back in (Back in) Went and got a VPN, just bought another BIN I'ma keep searching these bitches on my 'site 'til I can slide a Benz"

Danny Brown

"30!
Colder than them grits they fed slaves
Me to rap is like water to raves
AK's with bayonets on deck, rep my set
Sorta like Squidward and his clarinet"

Conclusions

• Text helps but cannot alone distinguish genre

Song lyrics often pose a vagueness challenge for topic modeling

- More advanced methods are required to investigate nuanced differences in writing styles
- Fun recommender!

Thank you!