

Oh my Lorde

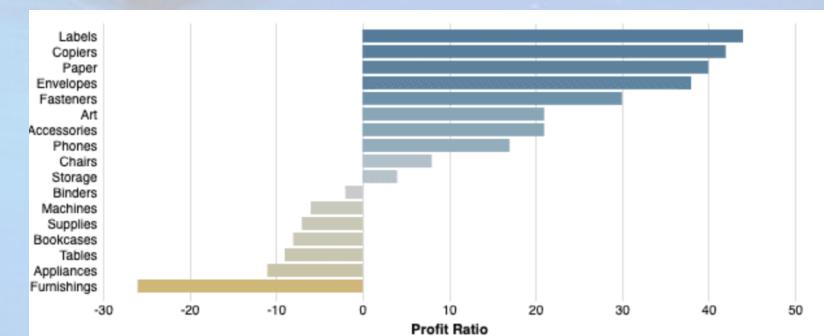
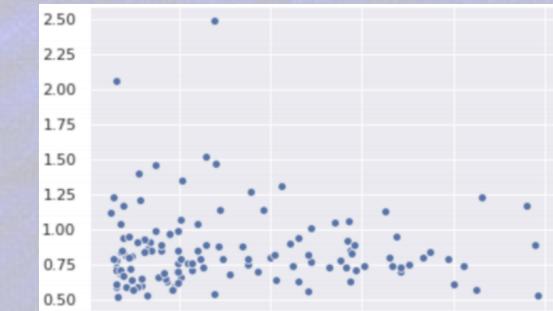
Project Intro

With the release of Pure Heroine, Lorde singlehandedly redefined the sound of alternative music for many to emulate. Her style pays homage to the era of grunge music whilst introducing elements of youth and pop evident in her lyrics. More so, her unique, dark sound has attained a cult-like following and appeals to youth culture — discussing topics of the ephemeral, love, and what it feels like to grow up. Her second album, Melodrama, follows her journey after an intense love, an even more heartwrenching break-up, and the newfound sense of self that followed.

Growing up listening to Lorde, I've found myself drawn to her music and have decided to delve into her lyrics for my project. I will be discovering her most commonly used lyrics in both Pure Heroine and Melodrama as well as drawing positive or negative sentiments from her work. Finally, I'll be comparing the two albums to works of other female artists

	Song Titles	Lyrics
0	royals	I've never seen a diamond in the flesh \nI cut...
1	tennis court	Don't you think that it's boring how people ta...
2	400 lux	We're never done with killing time\nCan I kill...
3	ribs	The drink you spilt all over me\r\nLovers spit...
4	buzzcut season	I remember when your head caught flame\r\nIt k...
5	glory and gore	There's a humming in the restless summer air\r...
6	still sane	Today is my birthday, and I'm riding high\nHai...
7	white teeth teens	We wouldn't be seen dead here in the day\nI gu...
8	a world alone	That slow burn wait while it gets dark\r\nBru...

still working on cleaning lyrics and actual visualization [these images are just a placeholder]



Questions

- **[Primary Question]** What are the most commonly used words in both Pure Heroine and Melodrama?
 - What are the themes / sentiments of both the albums — and does one present differently than the other?
 - Knowing that the artist had undergone a massive growth period between her two works, how frequently does the artist use the word “youth” or “young” in both her albums?
- **[Side Exploration]** Are there any other albums from comparative alternative artists that mimic the words of either Pure Heroine or Melodrama?

Dataset Description

The dataset that I will be performing my exploratory data analysis on contains all of Lorde's lyrics from both her Pure Heroine and Melodrama albums.

1. Obtain lyrics using Genius API and stored in JSON files to use in my Jupyter notebook
2. Create visualizations -- WordCloud to analyze most commonly used words in her albums, barcharts to display words like “youth” “young” and their frequency in the songs
3. Visualizations may include a heatmap which can also represent categorical and quantitative variables like frequency
4. Also delve into the Naive Bayes analysis and build a classification model to gauge positivity vs. negativity of the two albums
5. Finally, employ a doc2vec and network visualization to see how strongly other female albums correlate to that of either Pure Heroine or Melodrama

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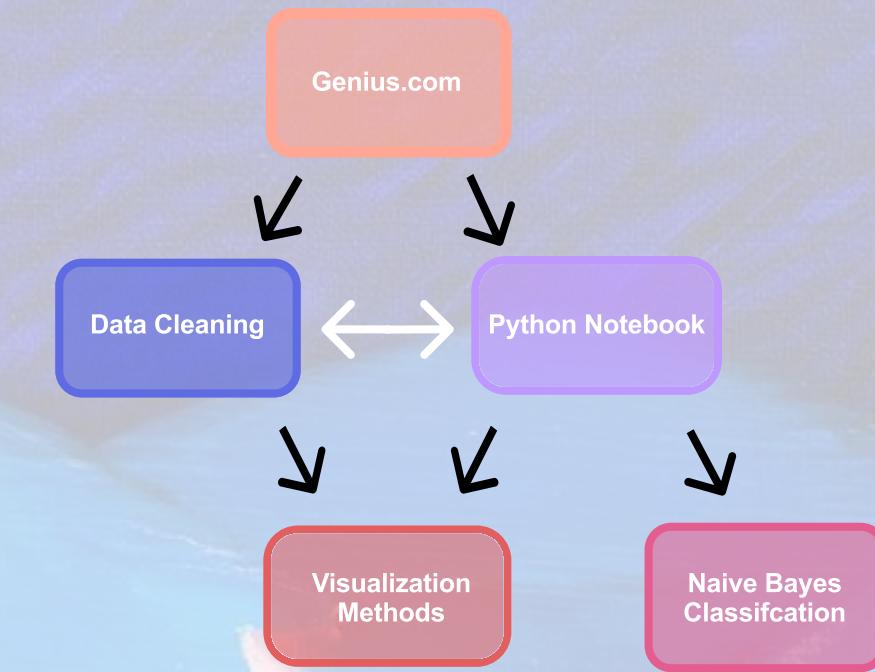
Project Intro

Growing up listening to Lorde, I've found myself drawn to her music and have decided to delve into her lyrics for my project. I will be discovering her most commonly used lyrics in both Pure Heroine and Melodrama as well as employing a Naive Bayes classifier upon her albums to draw any sentiment analysis. As Lorde is arguable one of the most influential female voices in alternative music, I will be comparing her works to those of similar artists and seeing how strong the correlations are. (this last part might be if I can figure out how / my coding skills are rusty)

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0	_type	album
1	api_path	/albums/42464
2	cover_art_thumbnail_url	https://images.genius.com/129eafe94aec01a91e76...
3	cover_art_url	https://images.genius.com/129eafe94aec01a91e76...
4	full_title	Pure Heroine by Lorde
5	id	42464
6	name	Pure Heroine
7	name_with_artist	Pure Heroine (artist: Lorde)
8	release_date_components	{'year': 2013, 'month': 9, 'day': 27}
9	url	https://genius.com/albums/Lorde/Pure-heroine
10	artist	{'_type': 'artist', 'api_path': '/artists/3694...}
11	tracks	[{"number": 1, "song": {"_type": "song", "anno..."}

currently i'm working on extracting the lyrics from the Genius API and formatting it into a pandas dataframe -- my visualizations aren't complete but i'm getting there

so far i've created a dictionary for the tracks and the lyrics



Questions for EDA

- What are the most common words used in both Pure Heroine and Melodrama?
- What are the themes / sentiments of both the albums — and does one present differently than the other?
- Knowing that the artist had undergone a massive growth period between her two works, how much does youth and referencing youth underline Pure Heroine compared to Melodrama.
- Are there any other albums from comparative alternative artists that draw similarities to either Pure Heroine or Melodrama?

Dataset Description

The dataset that I will be performing my exploratory data analysis on contains all of Lorde's lyrics from both her Pure Heroine and Melodrama albums.

1. Obtain lyrics using Genius.com API in order to import into Jupyter notebook
2. Write a function with the use of pandas clean the dataset of extra descriptive words like "[Verse]"
3. Create visualizations -- WordCloud to analyze most commonly used words in her albums, barcharts to display words like "youth" "young" and their frequency in the songs
4. Also delve into the Naive Bayes analysis and build a classification model to gauge positivity vs. negativity

Works Cited

- <https://genius.com/albums/Lorde/Pure-heroine>
- <https://genius.com/albums/Lorde/Melodrama>
- [why use doc2vec](#)
- [Professor Anderson's Github](#)
- [Genius API](#)
- [past work references](#)

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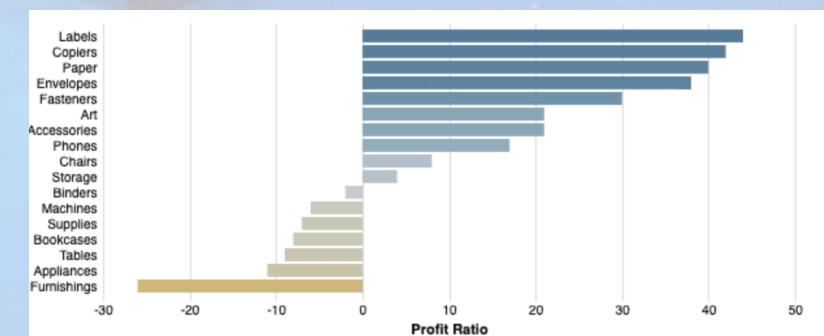
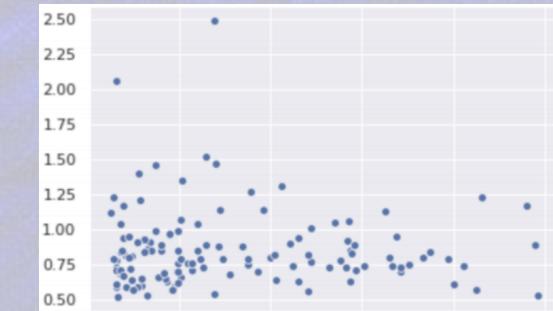
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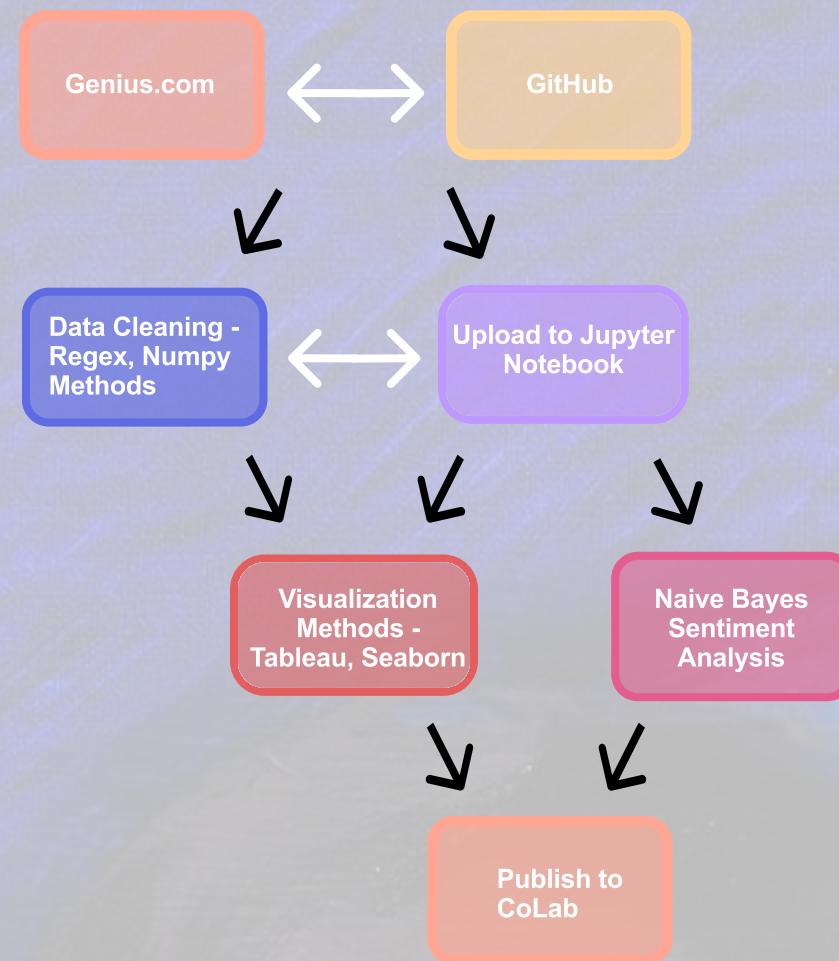
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DH100 Theory & Method in the Digital
Humanities
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Work Flow

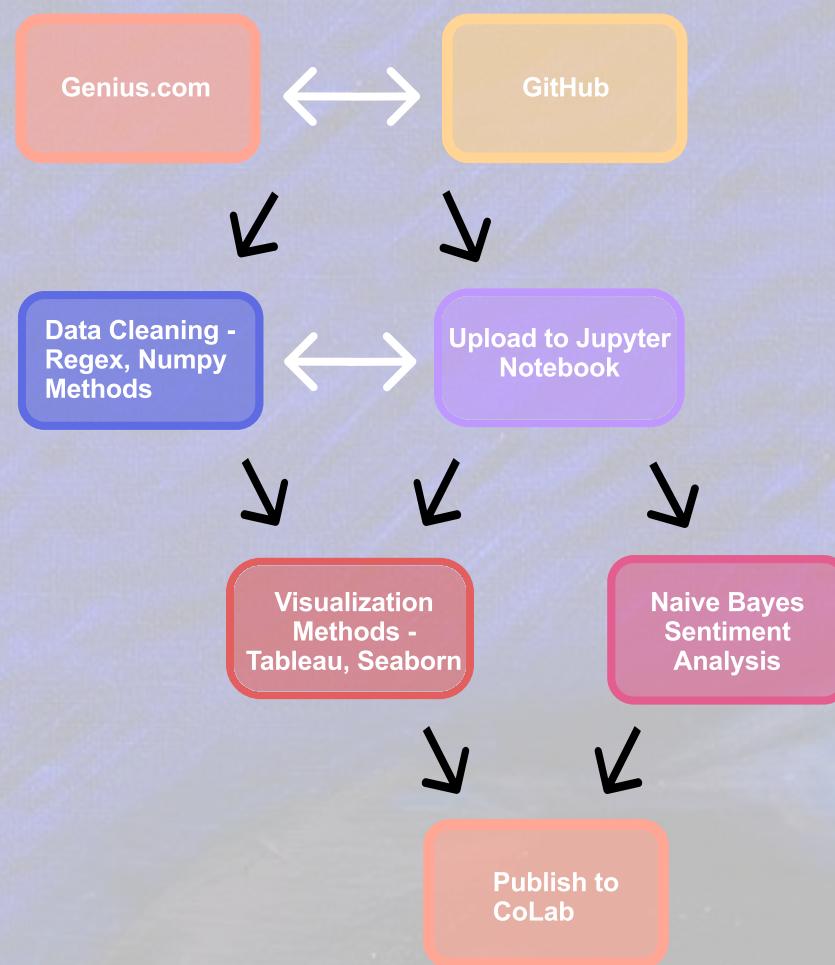


Works Cited

- <https://genius.com/albums/Lorde/Pure-heroine>
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