Spotify's Top 200

What are the global trends in Spotify's Top 200 Global Charts?

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How we cleaned our data:

Data source:

https://www.kaggle.com/sashankpillai/spotify-top-200-charts-20202021?select=spotify_dataset.csv

Date range: 12-31-2019 to 08-11-2021

Song Name	Streams	Artist	Artist Followers	Song ID	Genre	...	Danceability	Energy	Loudness	Speechiness	Acousticness	Liveness	Tempo	Duration (ms)	Valence	Chord
Beggin'	48,633,449	Måneskin	3377762	3Wrjm47oTz2sjlgck11l5e	['indie rock italiano', 'italian pop']	...	0.714	0.8	-4.808	0.0504	0.127	0.359	134.002	211560	0.589	B
STAY (with Justin Bieber)	47,248,719	The Kid LAROI	2230022	5HCyWlXZPP0y6Gqq8TgA20	['australian hip hop']	...	0.591	0.764	-5.484	0.0483	0.0383	0.103	169.928	141806	0.478	C#/Db
good 4 u	40,162,559	Olivia Rodrigo	6266514	4ZtFanR9U6ndgddUvNcjcG	['pop']	...	0.563	0.664	-5.044	0.154	0.335	0.0849	166.928	178147	0.688	A
Bad Habits	37,799,456	Ed Sheeran	83293380	6PQ88X9TkUIAUIZJHW2upE	['pop', 'uk pop']	...	0.808	0.897	-3.712	0.0348	0.0469	0.364	126.026	231041	0.591	B
INDUSTRY BABY (feat. Jack Harlow)	33,948,454	Lil Nas X	5473565	27NovPIUIRrOZoCHxABJwK	['lgbtq+ hip hop', 'pop rap']	...	0.736	0.704	-7.409	0.0615	0.0203	0.0501	149.995	212000	0.894	D#/Eb
...	...															
New Rules	4,630,675	Dua Lipa	27167675	2ekn2ttSfGqwhhate0LSR0	['dance pop', 'pop', 'uk pop']	...	0.762	0.7	-6.021	0.0694	0.00261	0.153	116.073	209320	0.608	A
Cheirosa - Ao Vivo	4,623,030	Jorge & Mateus	15019109	2PWjKmjyTZeDpmOUa3a5da	['sertanejo', 'sertanejo universitario']	...	0.528	0.87	-3.123	0.0851	0.24	0.333	152.37	181930	0.714	B
Havana (feat. Young Thug)	4,620,876	Camila Cabello	22698747	1rfofaqEpACxVEHlZBJe6W	['dance pop', 'electropop', 'pop', 'post-teen ...	...	0.765	0.523	-4.333	0.03	0.184	0.132	104.988	217307	0.394	D
Surtada - Remix Brega Funk	4,607,385	Dadá Boladão, Tati Zaqui, OIK	208630	5F8ffc8KWKNawllr5WsW0r	['brega funk', 'funk carioca']	...	0.832	0.55	-7.026	0.0587	0.249	0.182	154.064	152784	0.881	F
Lover (Remix) [feat. Shawn Mendes]	4,595,450	Taylor Swift	42227614	3i9UVldZOE0aD0JnyfAZZ0	['pop', 'post-teen pop']	...	0.448	0.603	-7.176	0.064	0.433	0.0862	205.272	221307	0.422	G

Song Name	Streams	Artist	Artist Followers	Genre	Release Date	Weeks Charted	Popularity	Danceability	Energy	Loudness
Beggin'	48,633,449	Måneskin	3377762	indie rock italiano	2017-12-08	2021-07-23--2021-07-30\n2021-07-16--2021-07-23...	100	0.714	0.8	-4.808
Beggin'	48,633,449	Måneskin	3377762	italian pop	2017-12-08	2021-07-23--2021-07-30\n2021-07-16--2021-07-23...	100	0.714	0.8	-4.808
STAY (with Justin Bieber)	47,248,719	The Kid LAROI	2230022	australian hip hop	2021-07-09	2021-07-23--2021-07-30\n2021-07-16--2021-07-23...	99	0.591	0.764	-5.484
good 4 u	40,162,559	Olivia Rodrigo	6266514	pop	2021-05-21	2021-07-23--2021-07-30\n2021-07-16--2021-07-23...	99	0.563	0.664	-5.044
Bad Habits	37,799,456	Ed Sheeran	83293380	pop	2021-06-25	2021-07-23--2021-07-30\n2021-07-16--2021-07-23...	98	0.808	0.897	-3.712
...	...	...	...	...	...	...	...	...	...	...
Havana (feat. Young Thug)	4,620,876	Camila Cabello	22698747	post-teen pop	2018-01-12	2019-12-27--2020-01-03	81	0.765	0.523	-4.333
Surtada - Remix Brega Funk	4,607,385	Dadá Boladão, Tati Zaqui, OIK	208630	brega funk	2019-09-25	2019-12-27--2020-01-03	60	0.832	0.55	-7.026
Surtada - Remix Brega Funk	4,607,385	Dadá Boladão, Tati Zaqui, OIK	208630	funk carioca	2019-09-25	2019-12-27--2020-01-03	60	0.832	0.55	-7.026
Lover (Remix) [feat. Shawn Mendes]	4,595,450	Taylor Swift	42227614	pop	2019-11-13	2019-12-27--2020-01-03	70	0.448	0.603	-7.176
Lover (Remix) [feat. Shawn Mendes]	4,595,450	Taylor Swift	42227614	post-teen pop	2019-11-13	2019-12-27--2020-01-03	70	0.448	0.603	-7.176

```
'indie rock italiano', ' italian pop', 'australian hip hop', 'pop',
' uk pop', 'lgbtq+ hip hop', ' pop rap', 'dance pop', ' pop',
'puerto rican pop', ' trap latino', 'latin', ' reggaeton',
' reggaeton colombiano', 'k-pop', ' k-pop boy group',
'canadian pop', ' post-teen pop', 'canadian contemporary r&b',
' canadian pop', 'reggaeton', 'gauze pop', ' indietronica',
' shiver pop', ' latin hip hop', 'dfw rap', ' melodic rap', ' rap',
' house', ' pop dance', ' tropical house', ' uk dance',
' electropop', 'colombian pop', ' latin', ' ', 'chicago rap',
' panamanian pop', 'latin pop', ' pop argentino', 'big room',
' brostep', ' dance pop', ' dutch edm', ' edm', ' electro house',
' slap house', ' trance', 'cali rap', 'trap argentino', '',
'argentine hip hop', ' pop venezolano', ' trap argentino',
'electropop', 'house', 'brostep', ' progressive electro house',
'dreamo', ' indie surf', ' surf punk', ' vegas indie', ' pop rock',
' piano rock', 'houston rap', ' trap queen', 'german dance',
' german techno', ' german trance', ' r&b',
'modern alternative rock', ' modern rock', 'canadian hip hop',
' toronto rap', 'brooklyn drill', ' nyc rap', 'aussietronica',
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	Genre	frequency
0	Pop	1790
1	Hip Hop	543
2	Rap	1235
3	R&B	81
4	Rock	146
5	Dance	333
6	EDM	61
7	Indie	44
8	Reggaeton	226
9	Trap	395
10	Latin	347
11	Other	561

```python
#sorting music for word included (contains overlap)
pop_any = top200_df[top200_df.Genre.str.contains('pop')]
pop_any["new_genre"]="Pop"
hiphop_any = top200_df[top200_df.Genre.str.contains('hip hop')]
hiphop_any["new_genre"]="Hip-Hop"
rap_any = top200_df[top200_df.Genre.str.contains('rap')]
rap_any["new_genre"]="Rap"
rb_any = top200_df[top200_df.Genre.str.contains('r&b')]
rb_any["new_genre"]="R&B"
country_any = top200_df[top200_df.Genre.str.contains('country')]
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rock_any = top200_df[top200_df.Genre.str.contains('rock')]
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alt_any = top200_df[top200_df.Genre.str.contains('alternative')]
alt_any["new_genre"]="Alter."
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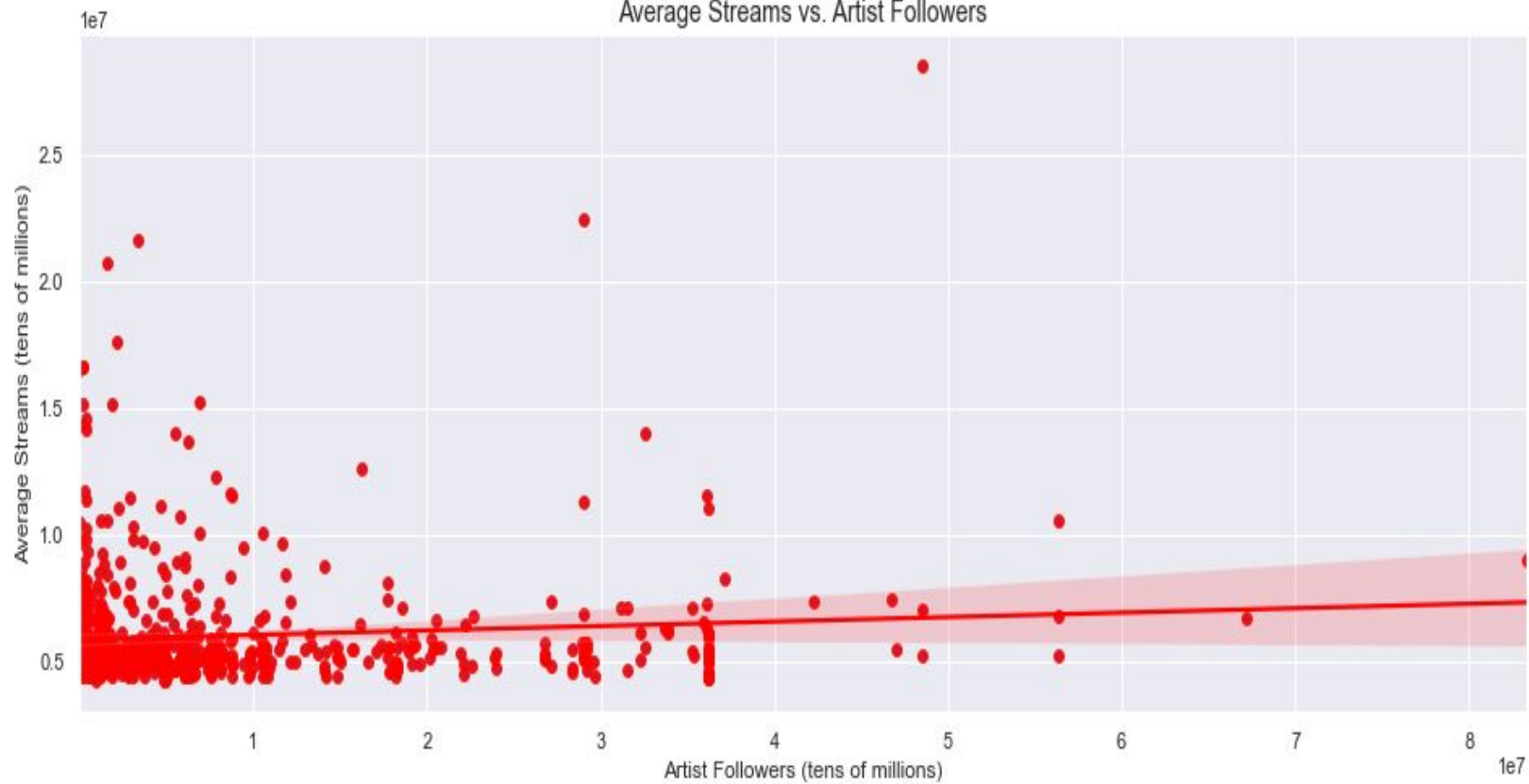
Genre

Genre
- Pop
- Hip Hop
- Rap
- R&B
- Rock
- Dance
- EDM
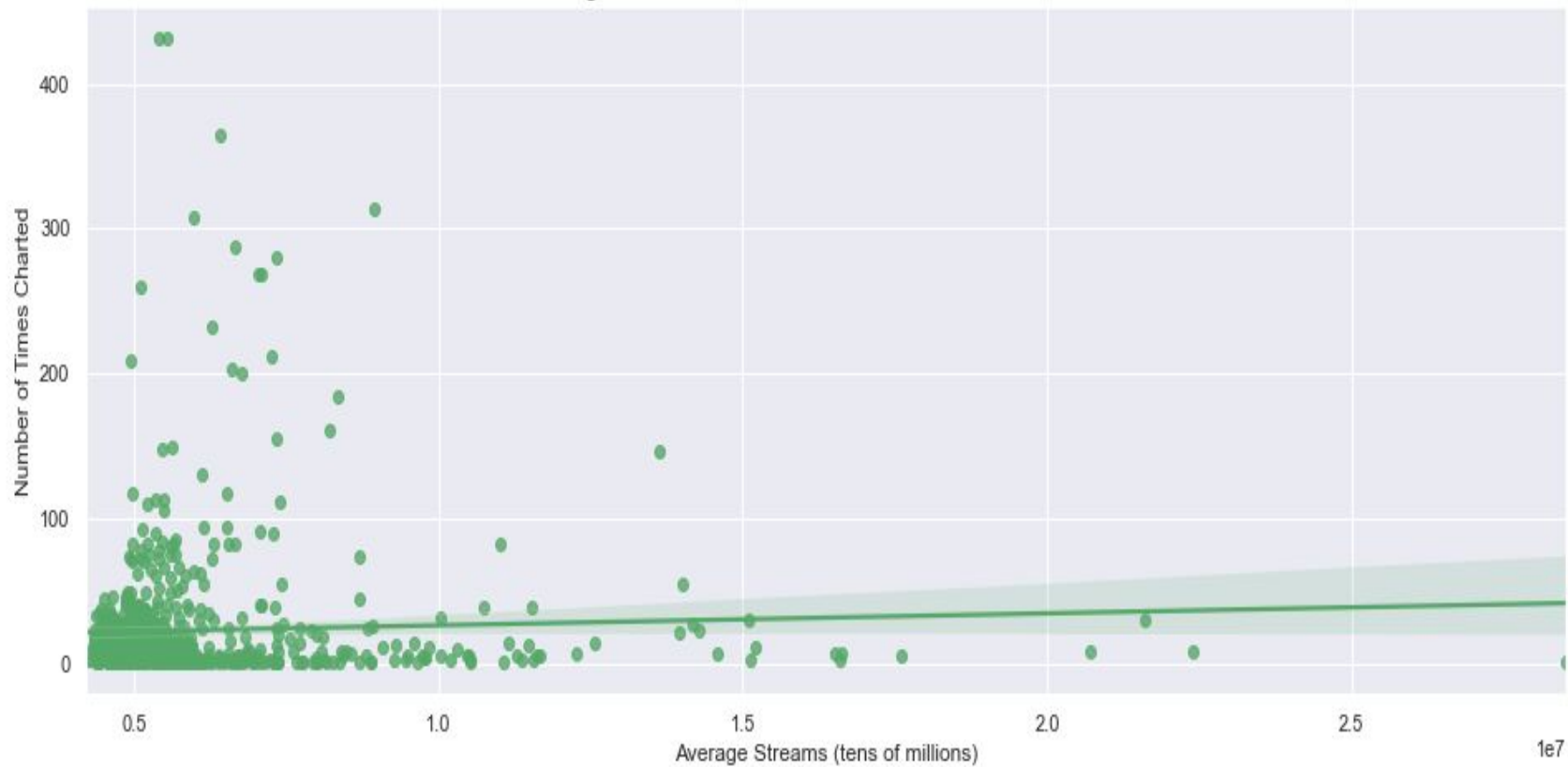- Indie
- Reggaeton
- Trap
- Latin
- Other
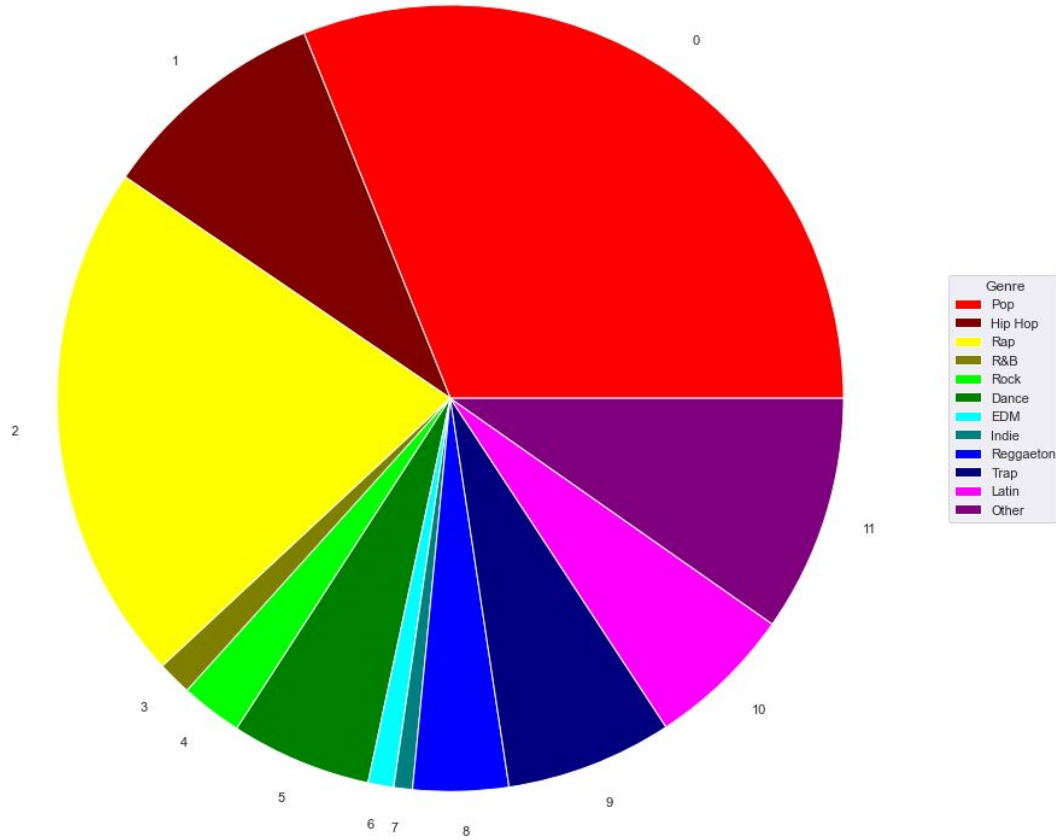
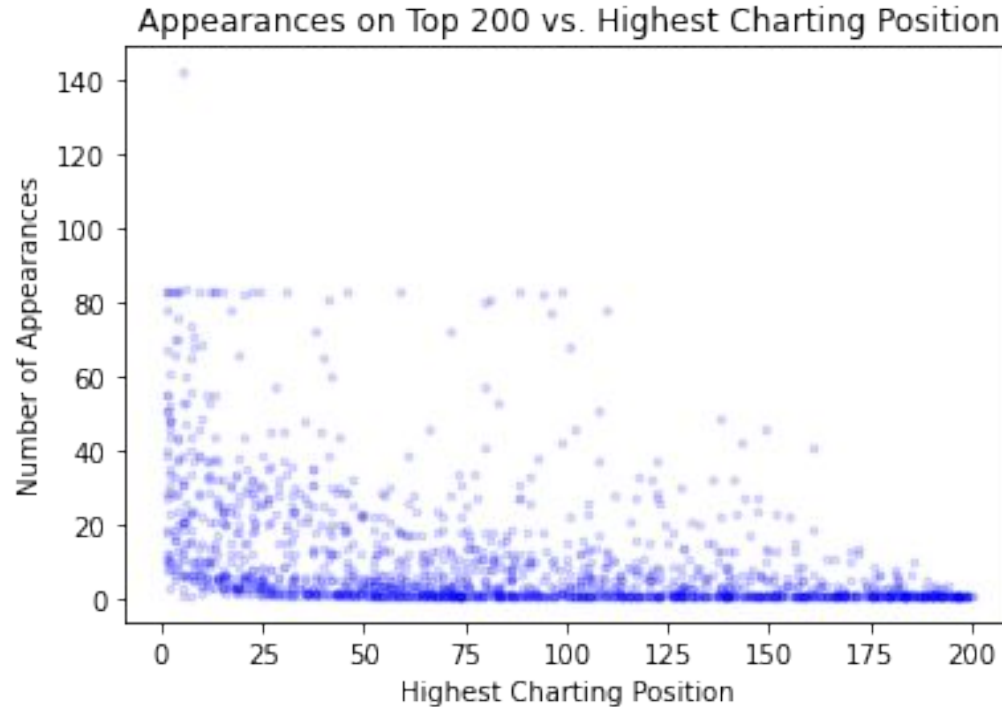Number of Times Charted vs. Artist Followers
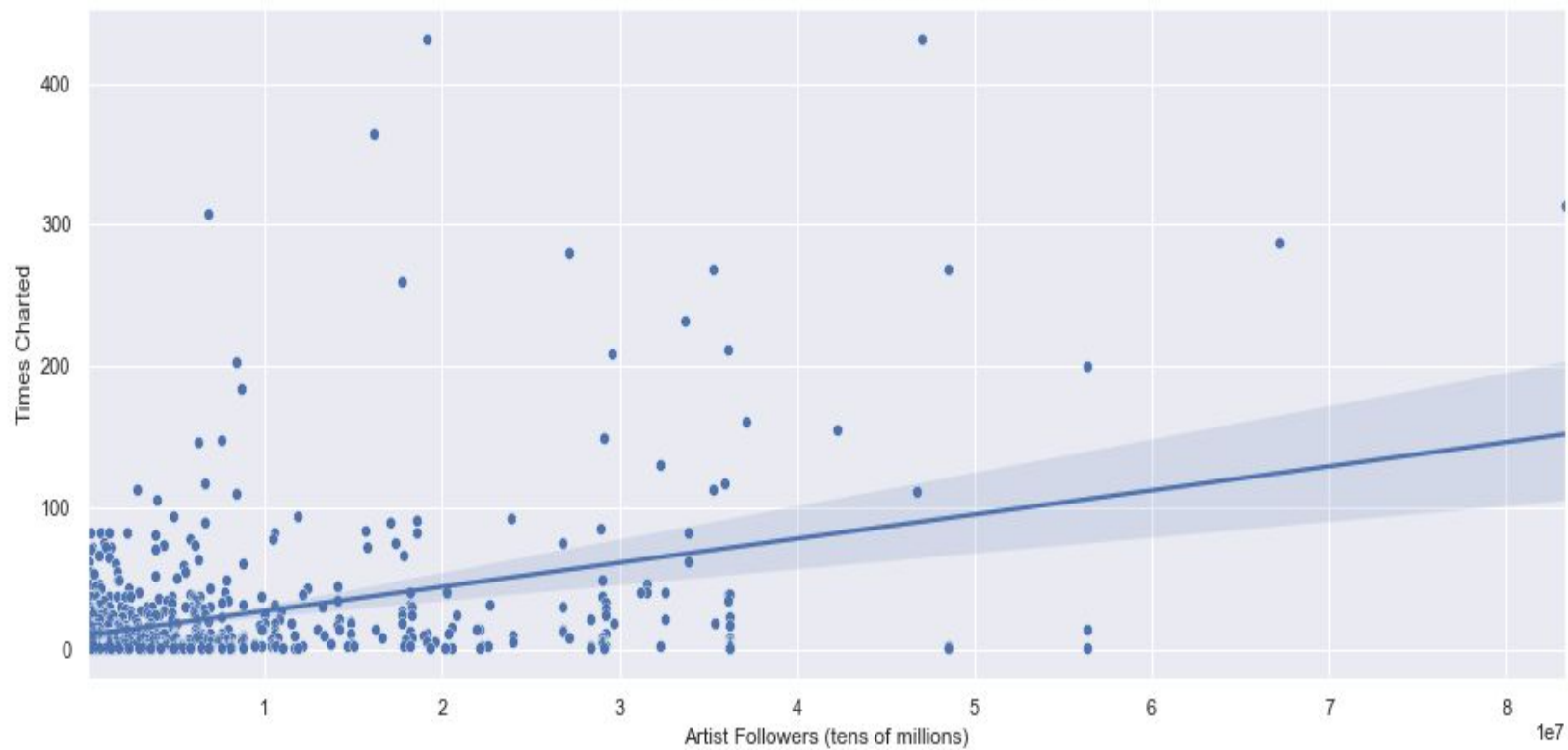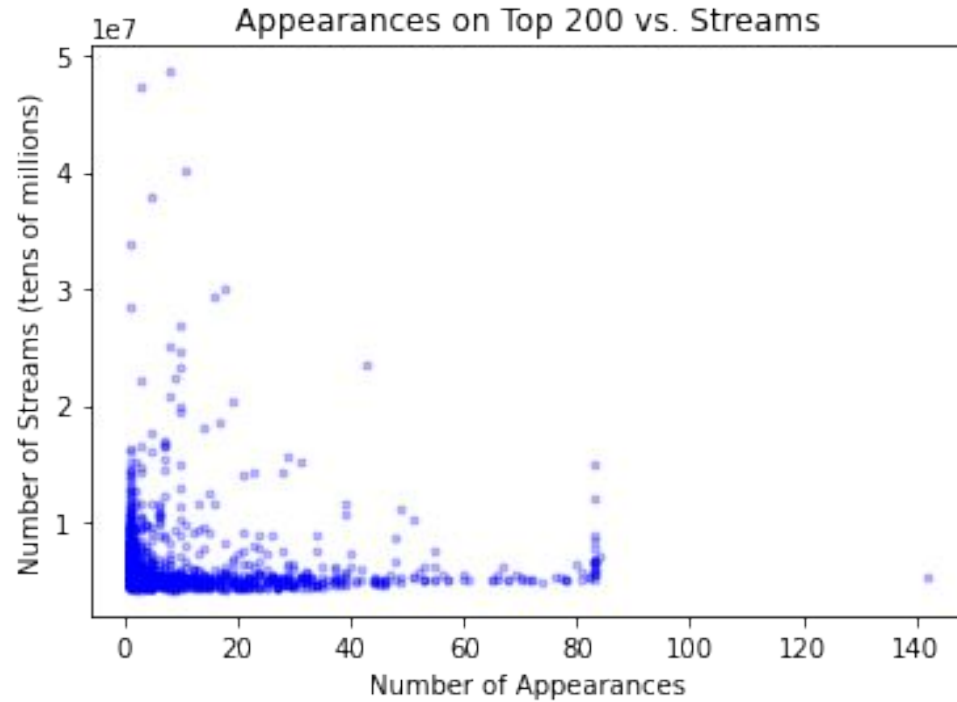
Average Streams vs. Artist Followers

Average Number of Streams vs. Number of Times Charted

Appearances on Top 200 vs. Highest Charting Position

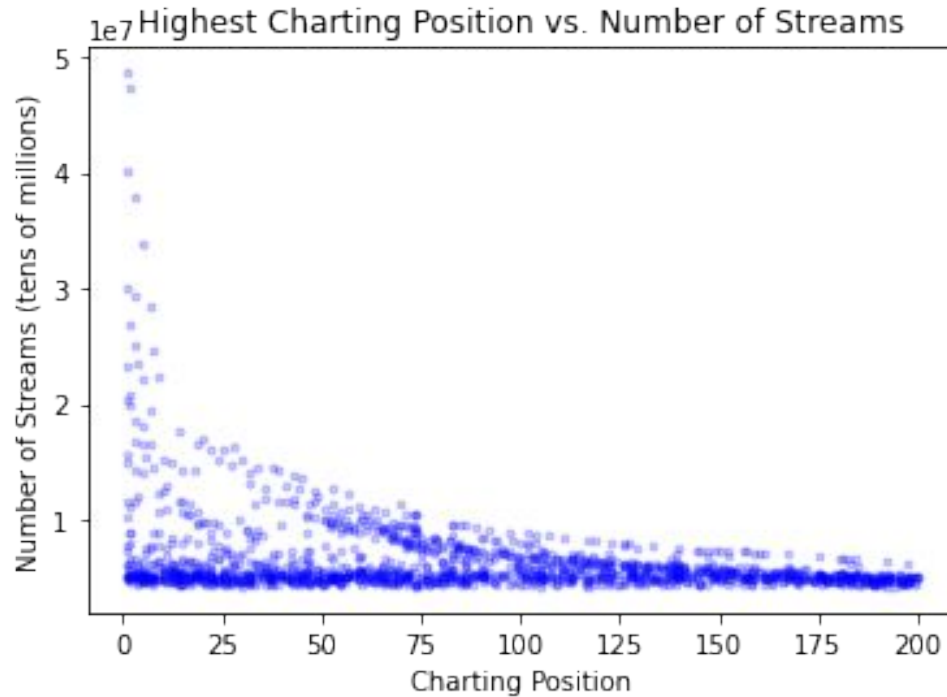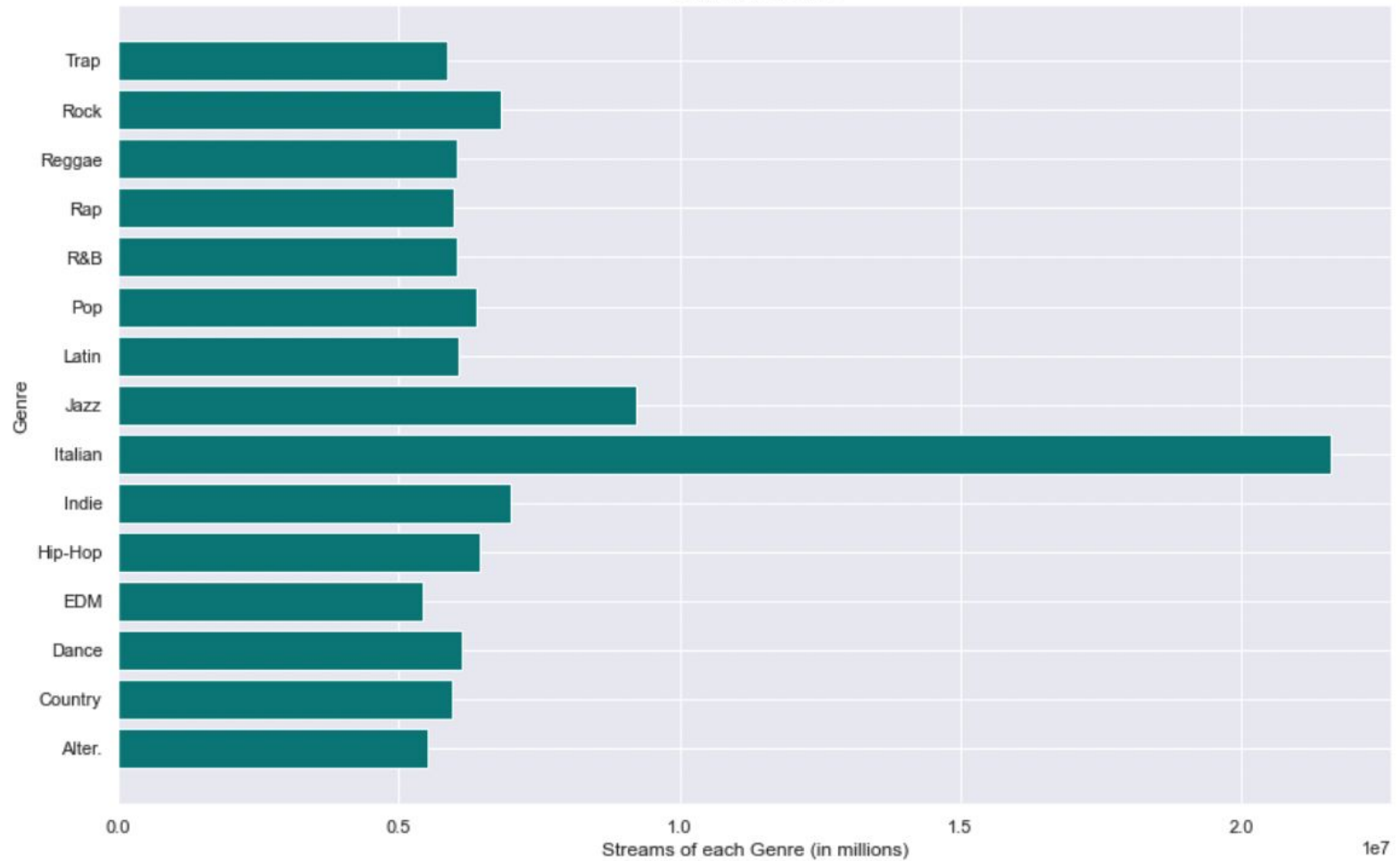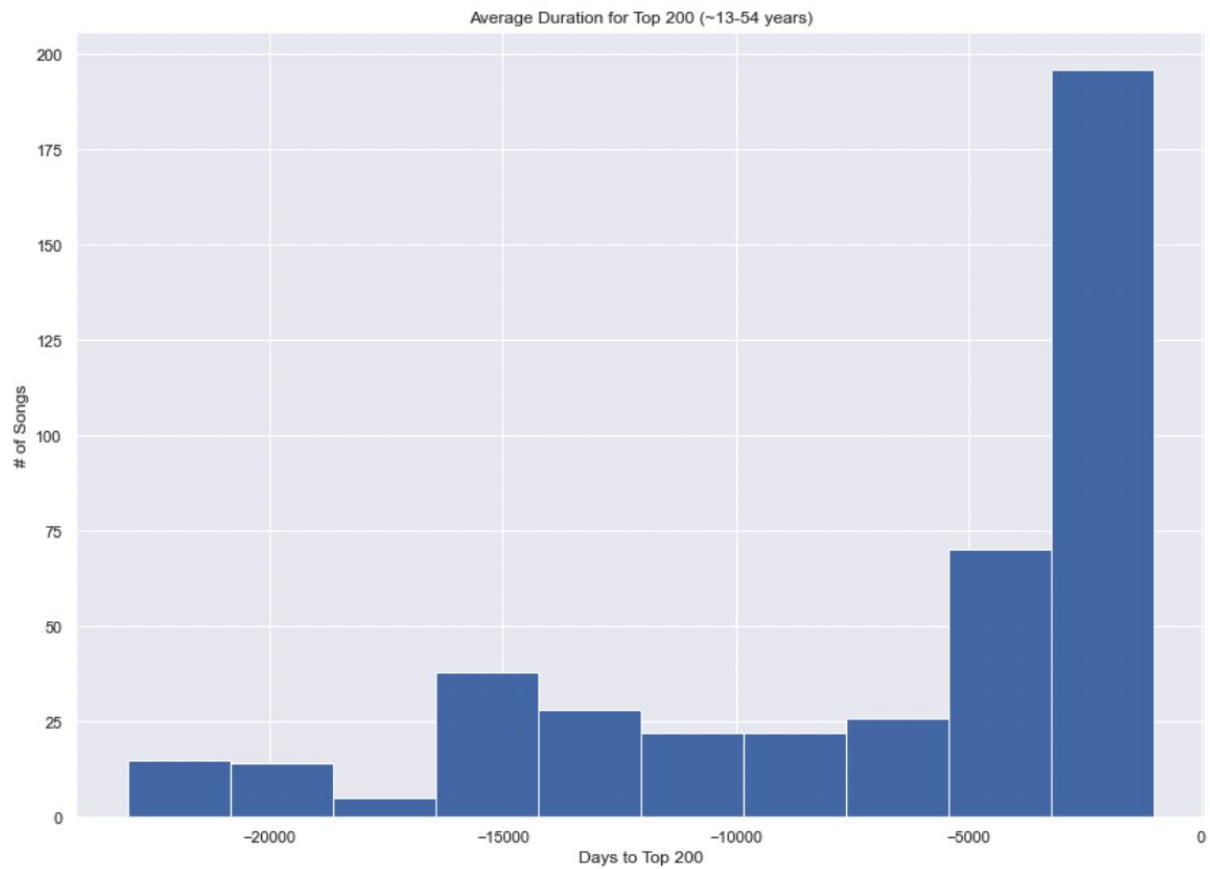
Appearances on Top 200 vs. Highest Charting Position
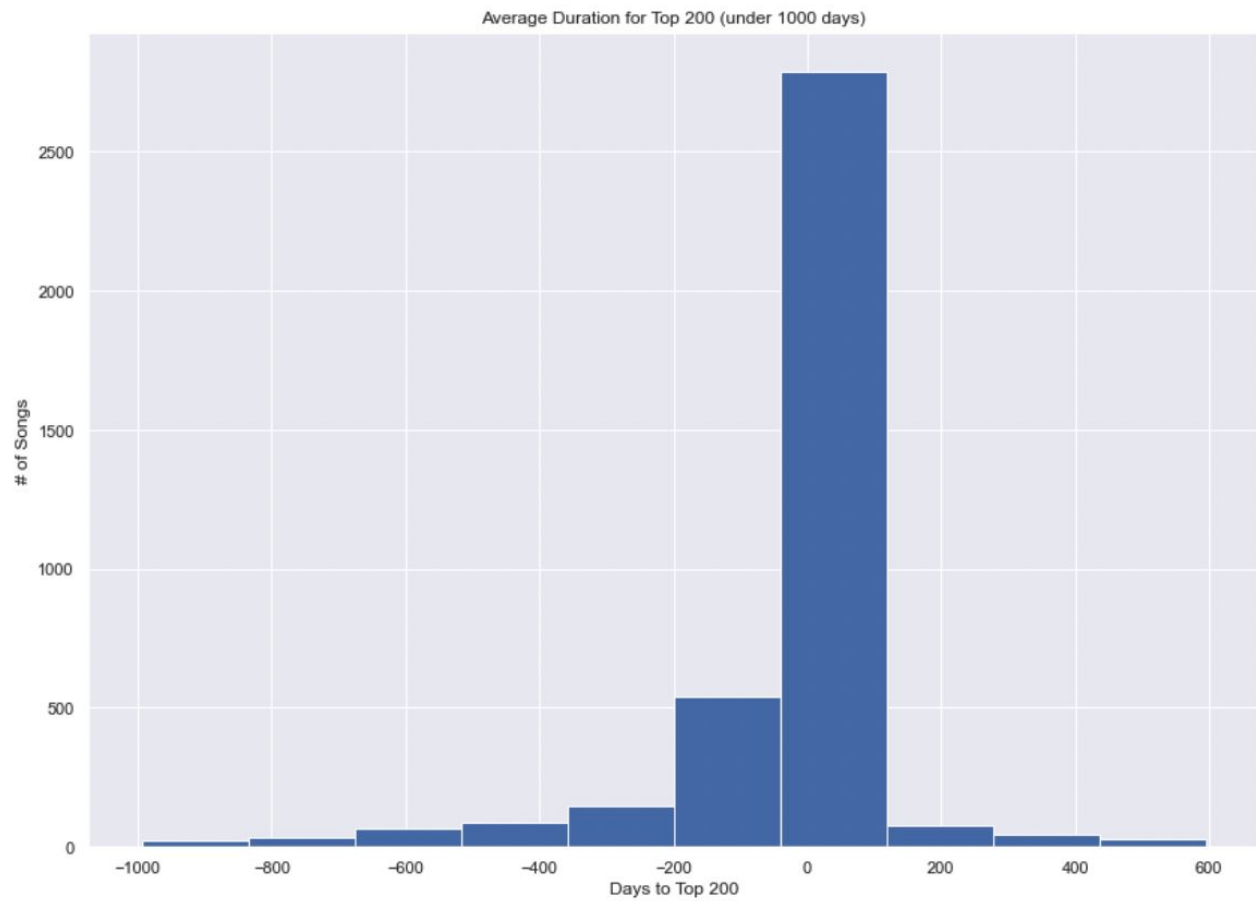
Appearances on Top 200 vs. Streams

Highest Charting Position vs. Number of Streams

Genre vs. Streams

Average Duration for Top 200 (~13-54 years)

Average Duration for Top 200 (under 1000 days)

Top 25 Charting Artists (1/1/20 to 8/31/21)