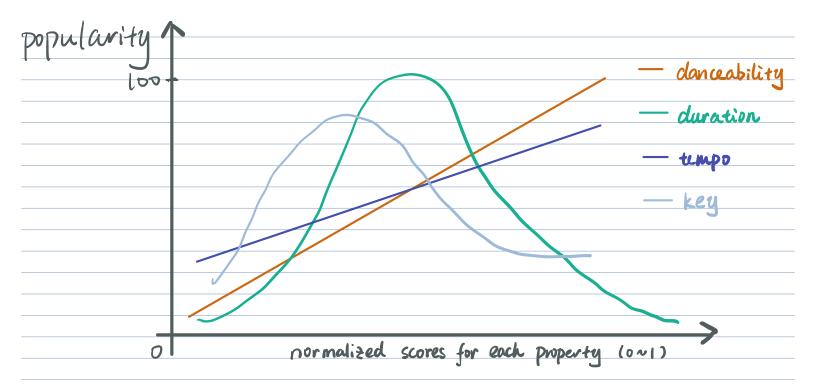
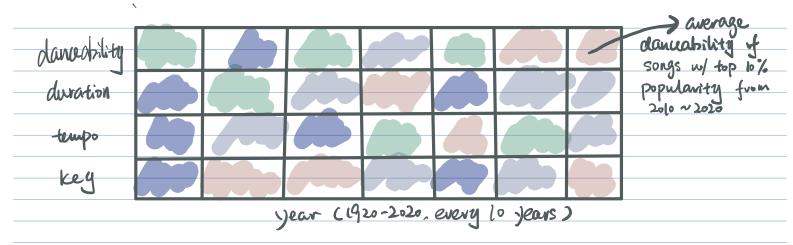
I will be using Spotify Dataset from Kaggle:
https://www.kaggle.com/yamaerenay/spotify-dataset-19212020-160k-tracks.
The variables I'm interested are highlighted:
Numerical:
o acousticness (Ranges from 0 to 1)
o danceability (Ranges from 0 to 1)
o energy (Ranges from 0 to 1)
o duration_ms (Integer typically ranging from 200k to 300k)
o instrumentalness (Ranges from 0 to 1)
o valence (Ranges from 0 to 1)
oppularity (Ranges from 0 to 100)
tempo (Float typically ranging from 50 to 150)
○ liveness (Ranges from 0 to 1)
 loudness (Float typically ranging from -60 to 0)
○ speechiness (Ranges from 0 to 1)
o year (Ranges from 1921 to 2020)
• Dummy:
o mode (0 = Minor, 1 = Major)
explicit (0 = No explicit content, 1 = Explicit content)
Categorical:
key (All keys on octave encoded as values ranging from 0 to 11, starting on
C as 0, C# as 1 and so on)
o artists (List of artists mentioned)
release_date (Date of release mostly in yyyy-mm-dd format, however
precision of date may vary)
oname (Name of the song)
dependent variable independent variable
other potentially interesting variables
The audience I'm envisioning are general public who are interested in
music.

Some Ideas

How different songs' properties influence it's popularity?



- How properties change over time?
 - This can be either similar to the previous graph, or investing how one property change its popularity over time, which is drawn below.



- Do properties change based on the time of the year? (Are songs released in winter different from songs released in summer?)
 - This is similar to the previous one, except now the x-axis are by month, averaged over all years.

Who are the most popular artists over time? Who are the most prolific?				
This one I want to make with gganimate, and show the top 10 artist in				
p	popularity and prolific over each year.			
	popularity	prukc		
	Name	Mane		
2				
4		* animale by year		
- (
10				
What are the most popular words use in song name				
 Could be plotted similar to the previous figure. 				
 would be interesting to look into this by year or by artist as well. 				
<u> </u>				