IDEAS: to explore relationship by things visually Cinteractive/static)

Bigger cities=easier to find data sets Ctry & extract Mannattan

- NYC Hotel Prices: include map of notels (hovering over each one -> gives name / price other impt info), and line graph of prices / bookings each day of week w interactive ticker that allows you to SWHCH DAM WOUTH UMW / TOCATION OF POLONOMS/LOHINGS) notels/may want to that act like filters & another for price us months

- DOH a: data scraping from Bookings.com (location/name/price/rating), CHY of NYC Hotel Properties Citywide (latitude/longitude for map data prit location BUT no names only codes), dataset of Airbnb listings from Inside airbnb.com

Questions to Consider:

- -What're distr. of cost & rating of a std. room in diff. parts of NYC?
- HOW does price correlate w/ ratings?
- For each area/borough, what's the expected price for a std. room?
- "Which areas are more \$\$\$ § \$?

- Social Media Dashboard: include metrics to eval relationship by likes/growth/comments

- Idea 1: compore engagement both a social pratforms to eval. engagement

- Idea 2: evaluating trends on social media ω/ interactive word-cloud C+o better understand the social state of a time period -> relavant topics /hashtags, themes, trends>

ex. word cloud w/ fcatures that can filter by date ranges, platforms, demographics, etc.; interaction aspect may involve clicking on spec words to see related posts; dynamic aspect can be updates from user interactions Cif possible, real time data streaming)

- DOHO: * need to find*

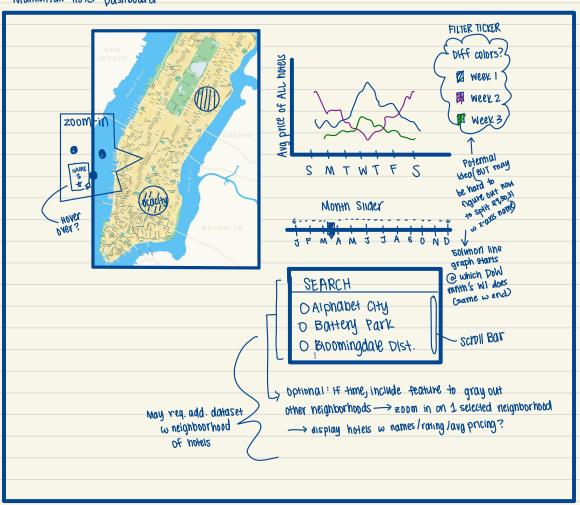
- MOVIE REVIEW Ratings: include diff factors of movies (genreletc.) will reviewer stats (age/state/occupations) & now they influ. given movie ratings
 - Interactive Visual: interative dashboard w/ mult visualizations (bar chart- distr. of ratings, treemap-distr. of genre, bubble chart - relation btw. ratings & num. of reviews) that users can filter through to explore diff. influences that may gain insight into movie preferences/trends for stakeholders to make informed decisions in the movie industry
 - Static Visual: heatmap of avg. ratings of movies across diff. gentes Ceach you rep. gente & column rep ratings, color intensity rep. and rating of movies in that denie
 - Data: Movie_Reviews.csv from GroupLens Research CUni. of Minnesota)

SKETCH 1.

Pros: 10to of ideas

cons: too many things to focus on -> next sketch: simplify

Manhattan Hotel Dashboard



Pros: simple but informative

cons: splitting by areas/boroughs may seem clustered (styllistic I "aesthetics"), finding dataset (who datascraping & heavy manipulations) -> next sketch: Airbnbs

Mannattan Hotel Avaliability

2 focus

choices

COLORS: split by boroughs (?) Uptown - Poor Midtown_ Poor DOWNTOWN_POOR DOWNTOWN_AVQ Uptown - AND Midtown Ava Midtown Good Uptown - Good DOWNTOWN_ GOOD Opt 1: focus on Manhattan Areas i SOYY by (53 total) Aveas Sort by avg. \$ All avaliable Ratings per night neighborhoods hotels in Manhattan Price Ranges Ratings -OR-OP+ 2: focus on ALL of NYC Sort by (5 total) Boroughs Boroughs All avaliable Sort by avg. \$ per night Ratings hotels in NYC boroughs Price Ranges Ratings Ratings classified need to convert \$ to convert to qual. Lturn \$ to ranges /intervals) 100d ر. Avg. (2.5-10) (4.8-10) (3.4-6.T) r anges /intervals OR round rotings (0-4.9) (5-7.9) (8-10) to deal w/ decimals What: each individual circle rep. a single hotel Areas: downtown, miatown, uptown, Additional teahuses: zoom-in, display havel name price transpa Cinclude what each borough is wi when hovering over

some data manipulation)

SKETCH J.

NYC | Manhattan Airland Listings

