

San Diego Airbnb

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Motivation



Airbnb

Mainstream Platform for Travelers



Data Analytics

Optimize Business Decisions



Investment

Ideal Match for Popular Demand



Key Metrics for Airbnbs

Price

Budget | Median | Luxury





Location

Coastal | Downtown | Suburbs

Room Type

Entire Home | Shared Room Private Room | Hotel





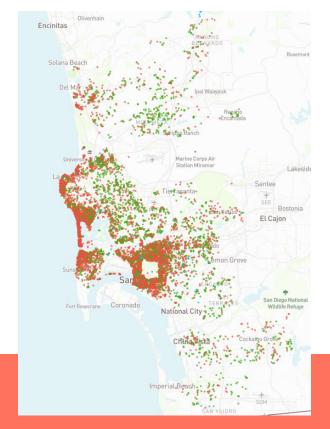
Availability

Annual | Minimum Nights



Inside Airbnb Dataset

Strengths	Limitations			
 Monthly data from 2018 to present Quantitative data for key metrics Geographical locations 	 Annual data prior to 2017 Extreme outliers in data 			



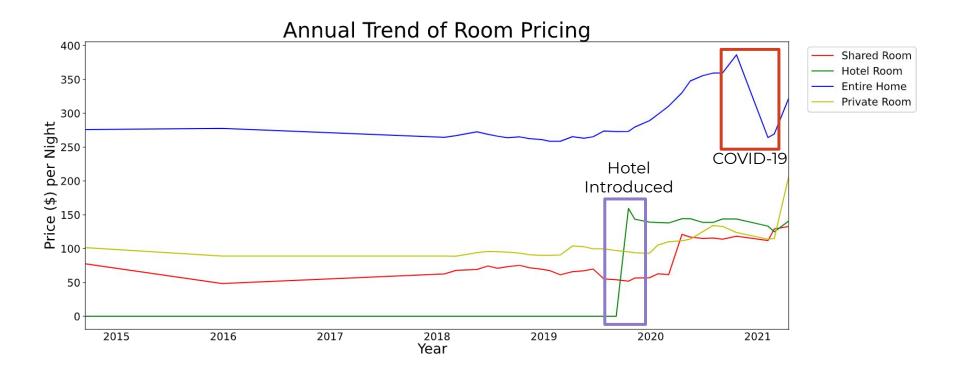


Data Extraction

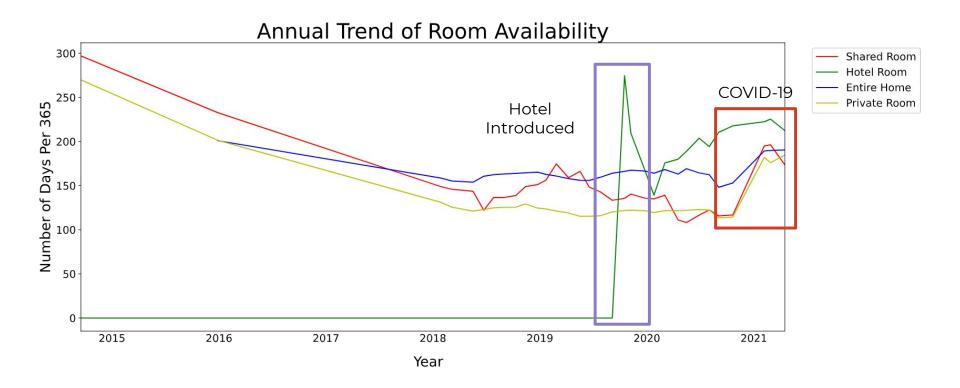
- Removed extraneous data host names and IDs, URLs, etc.
- Filtered Quantitative Data
- Split data by month & year

_	NEIGHBOURHOOD	LATITUDE	LONGITUDE	ROOM_TYPE	PRICE	MINIMUM_NIGHTS	NUMBER_OF_REVIEWS	CALCULATED_HOST_LISTINGS_COUNT	AVAILABILITY_365
0	Mission Bay	32.78430	-117.25258	Entire home/apt	2050	3	0	3	207
1	Pacific Beach	32.80724	-117.25630	Entire home/apt	261	4	62	5	213
2	Roseville	32.74202	-117.21870	Private room	74	1	143	3	359
3	La Jolla	32.81301	-117.26856	Entire home/apt	110	3	244	2	99
4	Pacific Beach	32.80734	-117.24243	Entire home/apt	74	1	620	2	320
•••	•••	• • •		•••		•••	***	***	• • •
9243	Carmel Valley	32.91599	-117.22823	Private room	1639	1	0	114	363
9244	La Jolla	32.81478	-117.26819	Entire home/apt	330	3	0	163	329
9245	Loma Portal	32.74936	-117.24163	Entire home/apt	85	3	0	163	342
9246	Mission Bay	32.78300	-117.25392	Entire home/apt	112	3	0	163	353
9247	La Jolla	32.81315	-117.27116	Entire home/apt	545	3	0	163	252









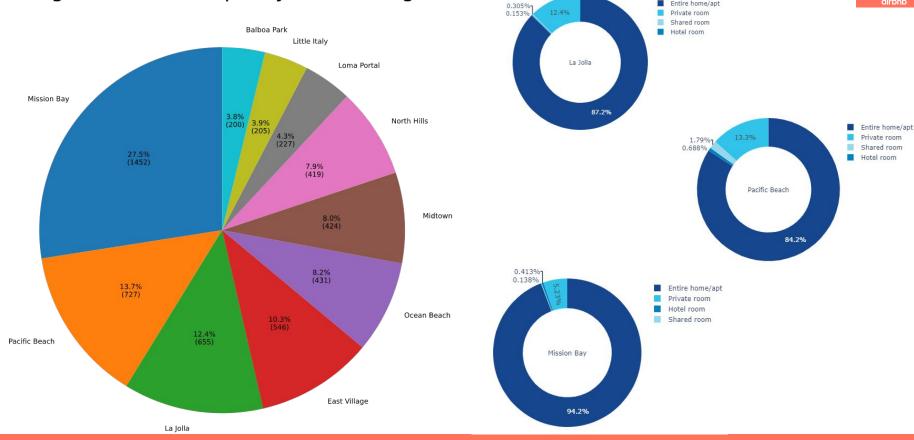




Neighborhood Occupancy in San Diego

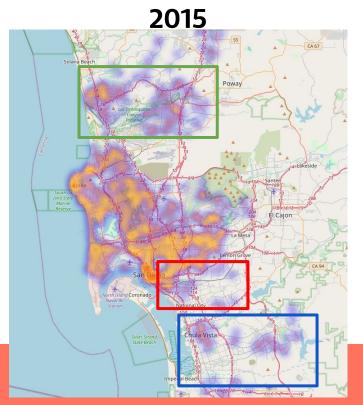


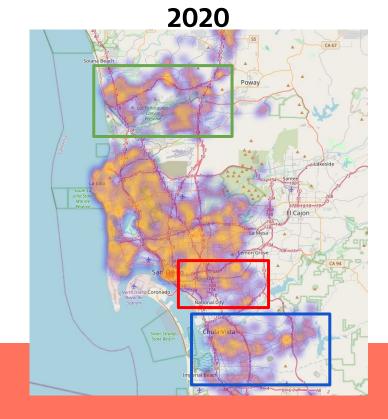
Entire home/apt





Density of Airbnb Listings San Diego

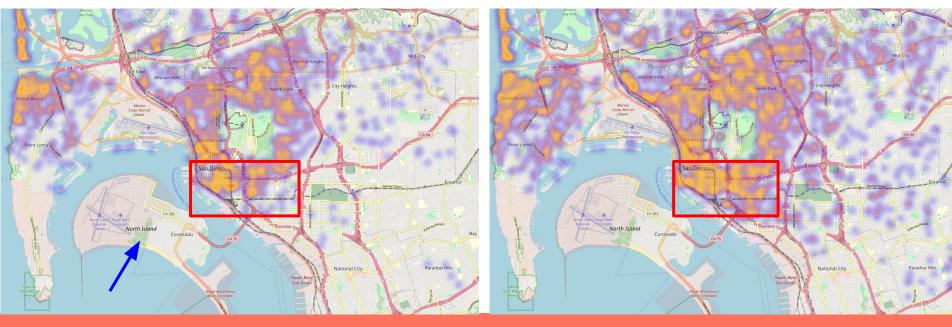






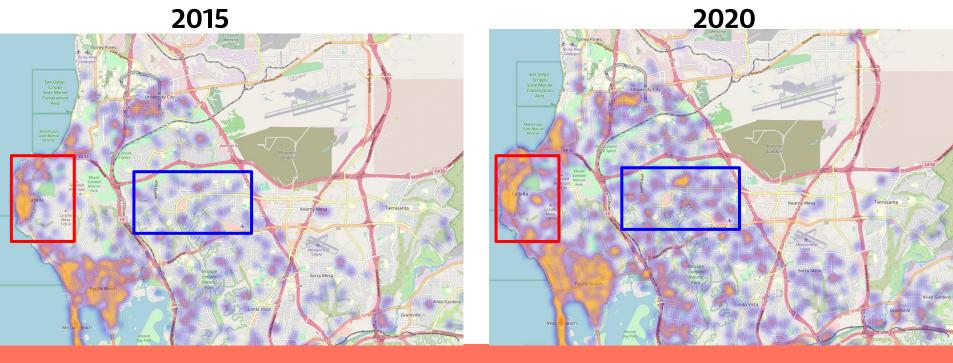
Density of Airbnb Listings Downtown

2015 2020





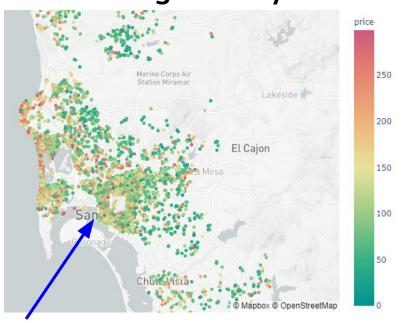
Density of Airbnb Listings Coastal



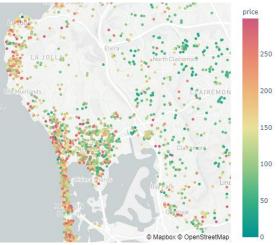


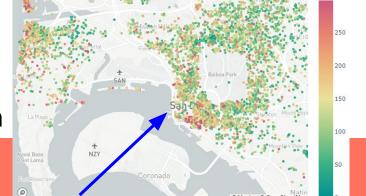
Price Map of Listings < \$300

San Diego County



Coastal





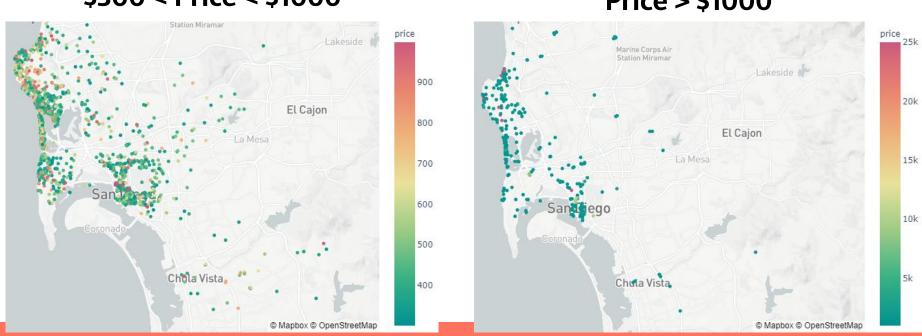
Downtown



Price Map of Listings

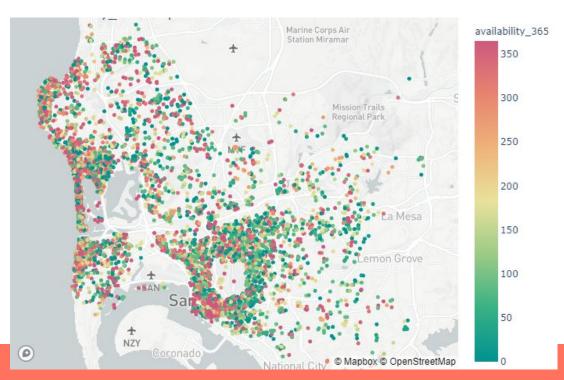
\$300 < Price < \$1000

Price > \$1000





Availability Map of Listings

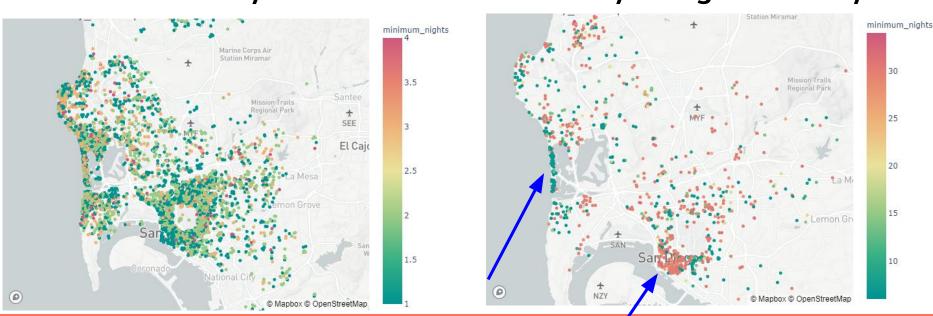




Minimum Nights Map

< 5 Days

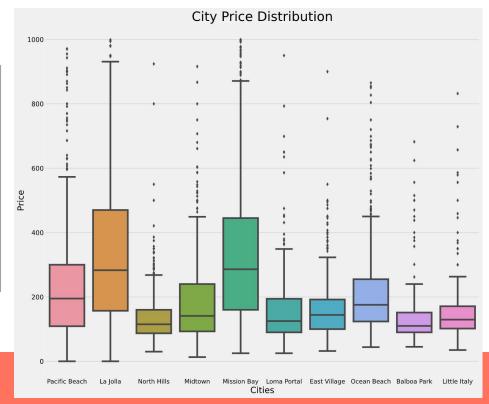
5 Days < Nights < 35 Days





Trends

	Price	Density	Growth	Invest
Coastal	999	Н	7	Ť
Down- town	\$\$	Н	→	7 !
Suburb	§	L	1	Ť





Conclusions

- Growth in inland & suburban areas
- Consistent trends through the years
- Future Work:
 - Impact of amenities
 - Proximity to attractions / transportation
 - o Cost-benefit analysis of investment







THANK YOU!

QUESTIONS?