

Wireframe Document

New York Airbnb Analysis



Revision Number - 1.2

Last Date of Revision - 15/05/2025

Shubham tembhurne

Document Control

Date	Version	Description	Author
02/05/2025	1.0	Introduction, Problem Statement	Shubham tembhurne
02/05/2025	1.1	Dataset Information, Vi Architecture Description	Shubham tembhurne
02/05/2025	1.2	Final Revision	Shubham tembhurne

We Performed Exploratory Data Analysis on excel and then created a Tableau Desktop Dashboard.

1. In which Neighborhood group there is maximum number of properties listed?



- Manhattan has the maximum number of properties listed followed by Brooklyn over 2,77,073 by Manhattan and 45,925 by Brooklyn.

2. Which host has maximum number of properties listed?

Host Name	Price	Availability	Reviews	Listings
Sonder (NYC)	\$82,795	98,588	1,281	106,929
Blueground	\$70,331	58,884	29	53,824
Kara	\$36,723	39,273	324	14,679
Kazuya	\$4,514	20,237	87	10,609
Sonder	\$20,451	26,555	43	9,216
Jeremy and Lau..	\$20,060	28,063	138	9,216
Corporate Hou..	\$13,308	22,015	417	8,281
Ken	\$24,258	32,244	881	7,645
Pranjal	\$18,865	21,972	1	4,225
Mike	\$29,355	30,498	4,039	2,910
John	\$41,892	40,249	7,223	2,792
Vida	\$7,908	15,512	282	2,705
Stanley	\$10,839	20,517	219	2,542
Ruchi	\$12,199	17,380	12	2,402
Red Awning	\$35,294	10,796	127	2,401
Stat	\$2,070	12,471	52	1,849
Melissa	\$16,583	27,049	2,795	1,594
Host	\$7,440	10,598	335	1,521
Nina	\$11,579	27,313	1,072	1,426
Hiroki	\$1,330	456	22	1,369
Juliana	\$7,366	10,904	470	1,181
Yaacov	\$7,180	10,565	123	1,089
Rated	\$7,273	11,353	3	1,089
Anting	\$5,529	8,705	32	1,089
Michael	\$66,895	38,888	11,081	1,043
Eyal	\$2,388	10,283	233	1,028
Jeniffer	\$4,313	9,750	144	965
CRNY Monthly ..	\$5,676	4,588	72	961
Gabriel	\$13,026	11,987	780	946
Max	\$14,606	15,338	1,506	917
David	\$65,844	44,171	8,103	907
Anthony	\$18,065	18,968	3,877	858
AFI Apartments	\$3,537	8,437	100	841
The Box House ..	\$6,962	1,813	935	784
Emily	\$24,130	12,991	1,887	782
Adam	\$23,404	13,147	2,380	683
Zach	\$5,486	8,924	597	667
Sergii	\$4,596	28,852	129	651
Kyle	\$10,941	8,842	1,352	591
Yuval	\$1,706	6,185	366	538
Benjamin	\$12,645	10,534	1,688	502
Alex	\$52,563	30,031	6,204	475
Erin	\$22,306	9,287	1,390	470
Jessica	\$50,697	21,520	4,074	453
Laura	\$24,683	15,059	2,992	434

- Sonder NYC Has the maximum number of properties listed followed by blue ground. which Have 106,929 listings highest amongst all.

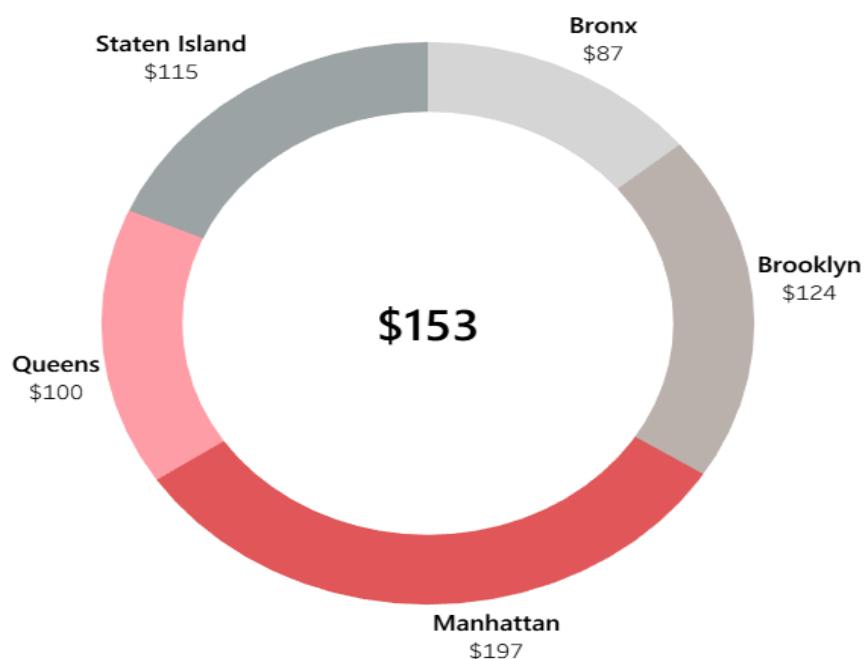
3. Which host has maximum properties listed in neighborhood groups having maximum properties listed?

Host Name	Bronx	Brooklyn	Manhatt..	Queens	Staten Isl..
Sonder (NYC)			1,06,929		
Blueground		464	53,360		
Kara		8	14,669	2	
Kazuya		618	1,854	8,137	
Sonder			9,216		
Jeremy and Lau..			9,216		
Corporate Hou..			8,281		
Ken		108	7,500	37	
Pranjal			4,225		
Mike	2	66	2,824	18	
John	3	370	2,340	74	5
Vida		2,705			
Stanley		35	2,506	1	
Ruchi			2,402		
Red Awning			2,401		
Stat		1,505		344	
Melissa	1	1,523	51	19	
Host			1,521		
Nina		1,062	249	66	49
Hiroki	37	74	185	1,073	
Juliana		10	1,170	1	
Yaacov			1,089		
Rated			1,089		
Anting		759	297	33	
Michael	5	225	756	53	4
Eyal		1	1,027		
Jeniffer			961	4	
CRNY Monthly ..		31	930		
Gabriel	1	26	915	4	
Max	1	49	830	37	
David	4	184	558	155	6
Anthony	1	608	244	4	1
AFI Apartments			841		
The Box House ..		784			
Emily	1	75	689	17	
Adam	1	55	617	10	
Zach		645	20	2	
Sergii		521	94	36	
Kyle		32	557	2	
Yuval		5	4	529	
Benjamin	1	475	23	3	
Alex	4	264	182	16	9
Erin		42	426	2	
Jessica	1	237	154	57	4
Laura	1	99	318	16	

- The host which has the maximum properties listed is Sonder (NYC) in Manhattan followed by blue ground.

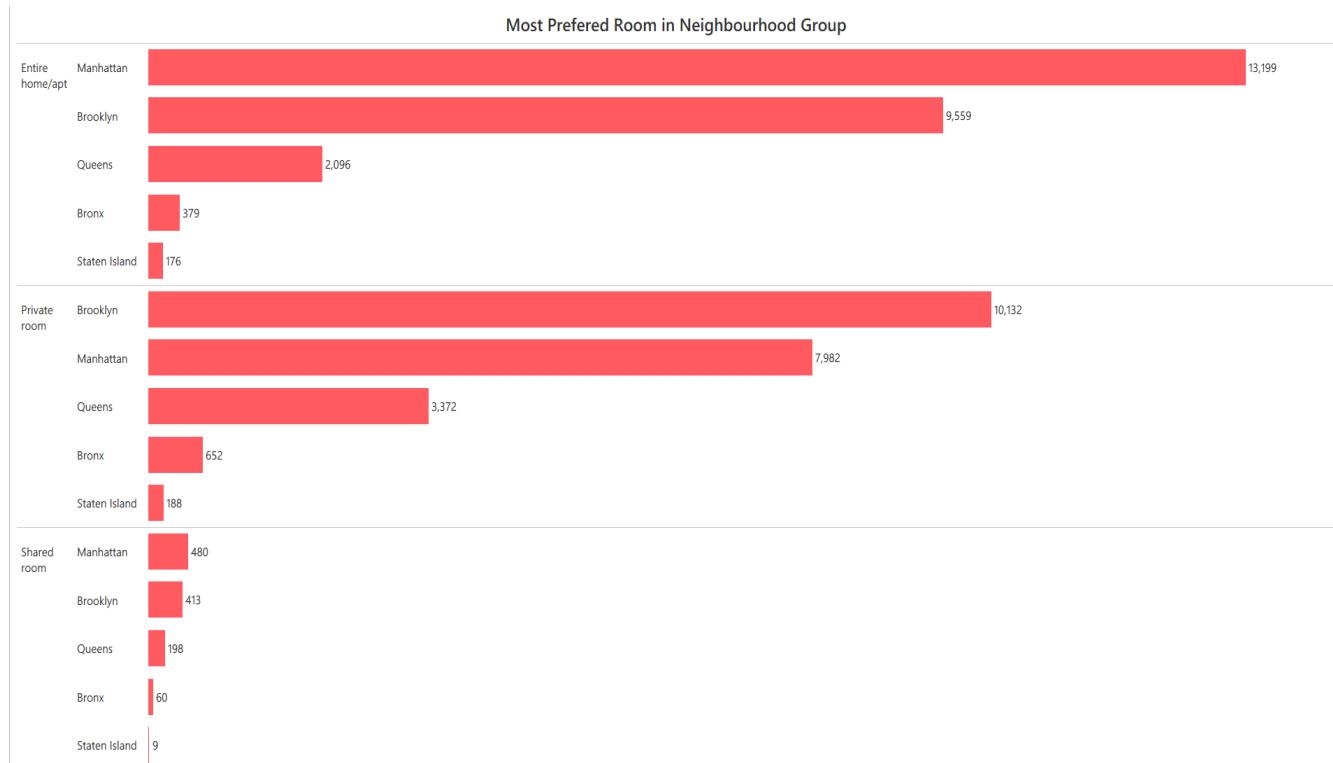
4. What is the average price in different properties listed?

Price Difference in Different Properties



- The average price in Manhattan is \$197 which is highest, then followed by Brooklyn \$124, Staten Island \$115, Queens \$100 and Bronx \$87 which is lowest amongst all.

5. What is the most preferred room type in every neighborhood groups?



- Entire home/apt is most common in Manhattan and Brooklyn, while private rooms are also popular.

6. Total availability of properties having different room type?



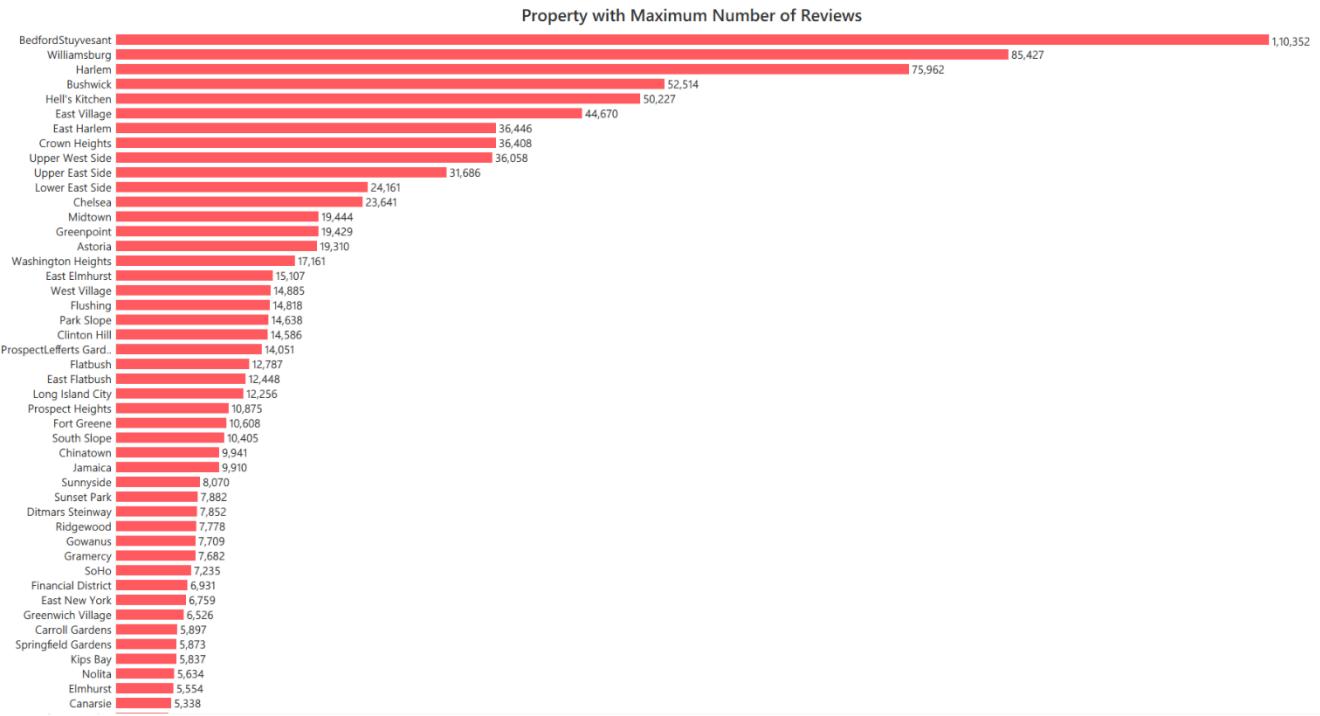
- Entire home/apt have the highest number of available properties across.

7. Which one is the busiest host?

Host Name	Price	Availability	Reviews	Listings
Michael	\$66,895	38,888	11,081	1,043
David	\$65,844	44,171	8,103	907
John	\$41,892	40,249	7,223	2,792
Jason	\$19,381	19,338	6,522	312
Alex	\$52,563	30,031	6,204	475
Chris	\$26,948	18,056	5,028	228
Anna	\$27,003	20,580	4,799	269
Eric	\$20,032	11,284	4,733	175
Daniel	\$33,046	17,015	4,723	276
Sarah	\$29,378	12,183	4,579	309
Kevin	\$35,552	10,001	4,549	205
Michelle	\$19,949	14,017	4,417	208
Maria	\$24,328	24,920	4,405	338
Andrew	\$33,694	14,832	4,150	264
Jessica	\$50,697	21,520	4,074	453
Mike	\$29,355	30,498	4,039	2,910
Maya	\$5,758	5,140	3,938	78
Anthony	\$18,065	18,968	3,877	858
Amy	\$32,429	12,434	3,810	376
Robert	\$17,454	10,065	3,781	154
Mark	\$27,669	19,637	3,780	237
Brian	\$24,466	11,934	3,705	220
James	\$33,398	13,184	3,645	201
Danielle	\$9,828	7,488	3,484	110

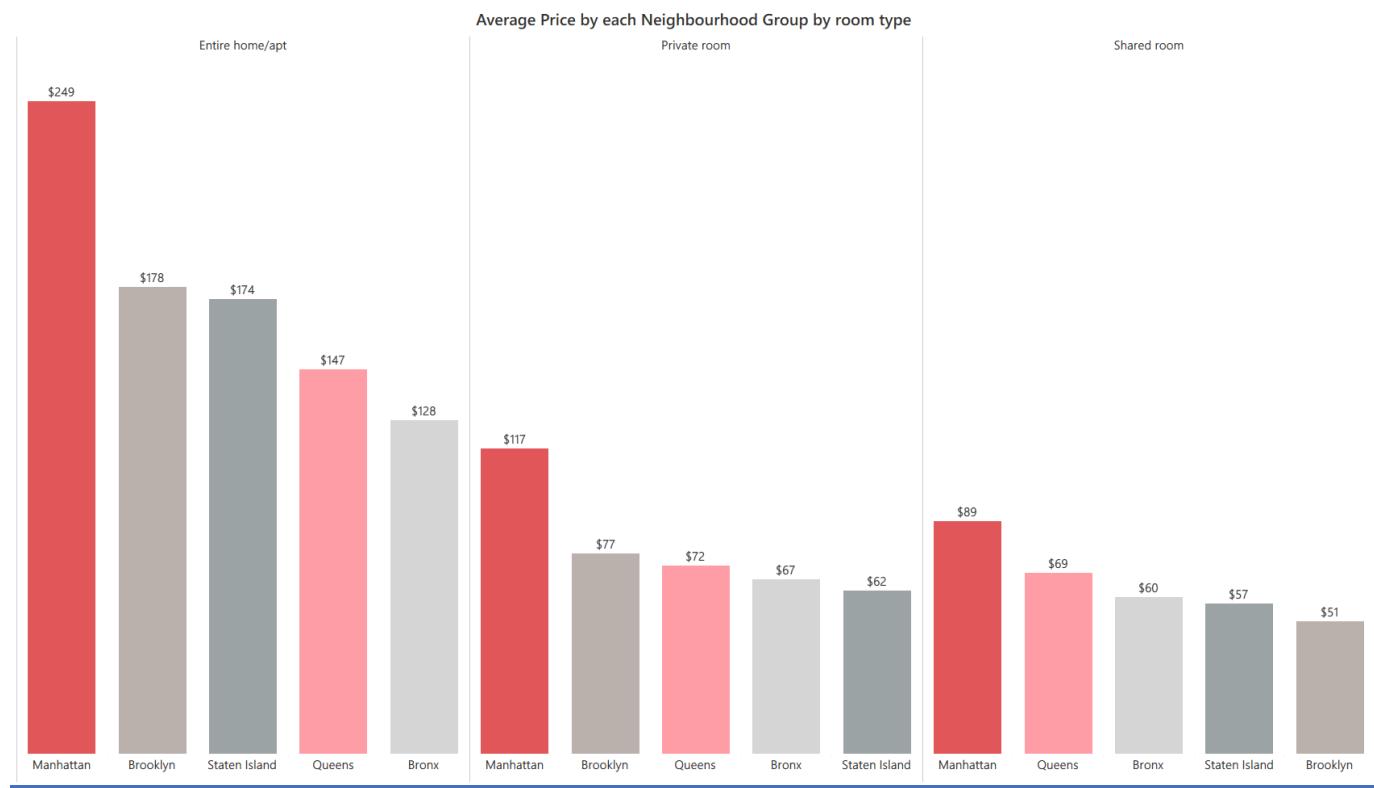
- Michael is the busiest host which has given almost 11081 reviews.

8. Which property has maximum number of reviews?



- Bedford Stuyvesant has the maximum numbers of reviews almost 1,10,352.

9. What is the average price in each neighborhood group by room type?



- Entire home /apt is the most expensive in the Manhattan neighborhood group the average price is \$249 while Bronx is lowest with \$128
- Private room is also expensive in the Manhattan neighborhood group the average price is \$117 while Staten Island is the lowest with \$62
- Shared room is cheap but highest in the Manhattan neighborhood group the average price is \$89 While Brooklyn is the lowest with \$51.