

1) Topic Name

From Renting to Revenue: Data Science to Analyze Airbnb in New York

2) Team Members

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3) Link/URL to the data set

[Airbnb Open Data | Kaggle](#)

4) Screenshot of Data

A1	id																											
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	
id	NAME	host id	id	host	id	id	neighbour	neighbour	long	country	country	at instant	bc	cancellation	room type	Construct	Price	service fee	minimum	number of last	reviews	review rat	calculated available	house_ruli	cance			
1	2001254	Clean	8001448578	unconf	id	neighbour	Kensington		0.64749	-79.9727	United States	FALSE	strict	Private	room	2020	\$966	\$193	10	9	10/19/2021	0.21	4	6	286	Clean up and treat the home the		
2	2001250	Skyfit Mid	5239132782	verfied	jenna	Manhattan	Midtown		0.75382	-79.3837	United States	FALSE	moderate	Entire	room	2007	\$142	\$28	30	45	5/21/2022	0.38	4	2	228	Fit friendly but please confirm v		
3	2001255	The VILLAGE	7882293556	dis		Manhattan	Harlem		0.80962	-73.9439	United States	TRUE	flexible	Private	room	2005	\$620	\$234	3	0		0.5	1	352	I encourage you to use my kitche			
4	2001275		529162102	unconf	gary	Brooklyn	Clinton Hl		0.65814	-79.5978	United States	TRUE	moderate	Private	room	2005	\$168	\$74	30	270	7/15/2019	0.64	4	1	322			
5	2001369	Entire Apt	4290759607	verfied	Lyndon	Manhattan	East Harlem		0.79851	-79.9439	United States	FALSE	moderate	Entire	room	2009	\$204	\$41	10	9	11/19/2018	0.1	3	1	289	Happy no smoking in the house,		
6	2004095	Large Cuy	4548551794	verfied	Michelle	Manhattan	Murray Hill		0.74767	-73.975	United States	TRUE	flexible	Entire	room	2013	\$577	\$115	3	74	6/22/2019	0.59	3	1	374	No smoking, please, and no drug		
7	2004606	Blls&Rts	6130005654		Alberta	Brooklyn	Bedford-S		0.68888	-79.5596	United States	FALSE	moderate	Private	room	2019	\$171	\$14	45	49	10/5/2017	0.4	5	1	224	Please no shoes in the house so		
8	2004650	FLS&RGS	9833097369	unconf	Emma	Brooklyn	Bedford-S		0.68888	-79.5596	United States	FALSE	moderate	Private	room	2009	\$160	\$212	45	49	10/5/2017	0.4	5	1	219	House Guidelines for our B&B We		
9	2004674	Large Furn	5291379	verfied	Manhattan	Bedford-S			0.68888	-79.5596	United States	FALSE	moderate	Private	room	2013	\$205	\$118	30	2005	6/24/2019	0.18	0.94	5	1	352	Please clean up after yourself	
10	2006357	Cuy Clear	7552738483	unconf	carl	Manhattan	Upper We		0.80178	-79.9673	United States	FALSE	strict	Private	room	2015	\$291	\$58	2	118	7/21/2017	0.99	5	1	375	NO SMOKING OR PETS ANYWHERE		
11	2006809	Cute & Co	1280413094	verfied	Miranda	Manhattan	Chinatown		0.71344	-79.9937	United States	FALSE	flexible	Entire	room	2004	\$139	\$64	1	160	6/9/2019	1.33	3	4	1	1		
12	2007141	Beautiful f	1882463184	verfied	Alan	Manhattan	Upper We		0.80316	-79.9545	United States	TRUE	flexible	Entire	room	2008	\$606	\$121	5	53	6/22/2019	0.43	4	1	163	My ideal guest would be warm,		
13	2007964	Central C	8854005309	verfied	Daniel	Manhattan	Hell's kit		0.76076	-79.9887	United States	FALSE	strict	Private	room	2008	\$714	\$143	2	188	6/23/2019	1.5	3	1	258	One of the bedroom closets is v		
14	2008055	Lovely Ro	288042424	verfied	Daryl	Brooklyn	South Slo		0.66629	-79.5879	United States	TRUE	moderate	Entire	room	2010	\$580	\$9	116	167	6/24/2019	1.24	3	1	347			
15	2009064	West Villa	52912535	verfied	Leonardo	Manhattan	Upper We		0.79828	-79.9633	United States	TRUE	flexible	Private	room	2018	\$149	\$10	2	113	7/15/2019	0.31	3	1	68			
16	2009621	West Villa	4655172594	verfied	Daniel	Manhattan	West Villa		0.7353	-74.0025	United States	TRUE	flexible	Entire	room	2018	\$578	\$10	90	27	10/31/2018	0.22	3	1	100	Arrival time can be no later than		
17	2010173	Only 2	6256634560	unconf	Heather	Brooklyn	Williamsb		0.70837	-79.9532	United States	moderate	Entire	room	2009	\$778		2	148	6/29/2012	1.2	3	1	197	Absolutely no smoking in the bui			
18	2010725	Perfect for	80380130347	verfied	Ryan	Brooklyn	Fort Greer		0.69189	-79.9785	United States	flexible	Entire	room	2006	\$656		2	198	6/29/2019	1.72	5	1	96	Place be mindful of the neigh			
19	2011277	Chelsea Pa	7386252830	verfied	Alberta	manhatan	Chelsea		0.74132	-79.9901	United States	moderate	Private	room	2008	\$460		1	260	7/1/2019	2.12	3	1	325				
20	2011830	Ho Histor	7214001868		Martin	Manhattan	Crown Hei		0.67592	-79.9494	United States	moderate	Entire	room	2004	\$1095		3	53	6/22/2019	2.44	3	1	345	LAUNDRY - Laundry can be done			
21	2012232	Huge 2 BR	7980514317	verfied	Audrey	Manhattan	East Harlem		0.79685	-79.9482	United States	moderate	Entire	room	2013	\$281	\$56	7	0			2	3	247	No Smoking, No pets, No shoes			
22	2012934	Sweet and	86554611512	verfied	Alicia	Brooklyn	Williamsb		0.71842	-79.9572	United States	flexible	Entire	room	2016	\$477	\$95	3	9	12/28/2021	0.07	3	1	54	No smoking or open flames on1			
23	2013487	CBG CuyB	5734237010	verfied	Mary	Brooklyn	Park Slope		0.68069	-79.7706	United States	moderate	Private	room	2013	\$133	\$27	2	130	7/1/2019	1.09	4	3	193	Nothing can be no later than			
24	2014039	CBG Hells	8766893183		William	Brooklyn	Park Slope		0.67899	-79.7798	United States	moderate	Private	room	2017	\$180	\$210	1	39	11/19/2019	0.37	3	6	9				
25	2014934	CBG Hells	5762749640	unconf	Charlotte	Brooklyn	Park Slope		0.68001	-79.7785	United States	strict	Private	room	2009	\$166	\$163	2	71	7/2/2019	0.61	4	6	344	We take great care of our home			
26	2015146	CBG Hells	7982792320		Miranda	Brooklyn	Bedford-S		0.68888	-79.5596	United States	strict	Private	room	2019	\$175	\$55	2	179	5/25/2021	0.79	4	2	372				
27	2015696	Sunny Bed	8168679636		Carlos	Brooklyn	Windsor T		0.65599	-79.9193	United States	moderate	Private	room	2021	\$530	\$106	1	19	6/23/2019	1.37	5	2	344	Quiet neighborhood, middle apt			
28	2016248	Magical	3881420224	unconf	Adrianna	Manhattan	Inwood		0.86754	-79.9263	United States	strict	Private	room	2017	\$274	\$55	4	0			2	36	Trust our home with middle respa				

5) Questions of Analysis

1. Which neighborhoods in Amsterdam have the highest average nightly rental rates for Airbnb listings?
2. How has the number of Airbnb listings in Amsterdam changed over time? Are there any seasonal trends?
3. What are the top 10 most common words used in Airbnb reviews for Amsterdam listings?
4. What is the distribution of the number of bedrooms in Amsterdam Airbnb listings?
5. Is there a correlation between the number of bedrooms and the nightly rental rate for Amsterdam Airbnb listings?
6. What is the distribution of the nightly rental rates for Amsterdam Airbnb listings, broken down by neighborhood?