

Executive Summary

Executive Summary: Airbnb Neighborhood Analysis in New York

Purpose

The purpose of this analysis was to identify popular Airbnb neighborhoods in New York based on guest reviews. We focused on vacation rentals with a minimum stay of 7 days and reviews posted within the last year.

Key Findings

Initially, we examined 31 neighborhoods, but 10 neighborhoods stood out as the most popular, with the highest number of reviews.

The top ten neighborhoods had an average of over 3,319 reviews each.

These neighborhoods are:

Chelsea
East Harlem
The East Village
Harlem
Lower East Side
Nolita
Upper West Side
West Village
Hell's Kitchen
Midtown

Bedroom Size Preferences

While some neighborhoods were popular overall (such as the Lower East Side and Hell's Kitchen), specific neighborhoods had distinct preferences based on bedroom sizes.

Key observations:

1BR Rentals: One-bedroom rentals were the most popular across most neighborhoods, including Chelsea, East Harlem, The East Village, Harlem, Lower East Side, Nolita, Upper West Side, and West Village.

Hell's Kitchen: In Hell's Kitchen, 2BR rentals were the most popular, accounting for 48% of their reviews.

Lower East Side: The Lower East Side dominated the 1BR apartment market, with 87% of their reviews coming from this category.

Midtown: Studios were the hottest choice in Midtown, representing 64% of reviews.

Data Log Sample

Changes	Description
Step 1	Froze first row to look at descriptions of data
Step 2	Freeze first Column to look at descriptions of data
Step 3	Created a new sheet (Listings data clean)
Step 4	Created a new column for source
Step 5	hid initial column for source
Step 6	Trimmed white space between all columns
Step 7	Created Pivot Table to make general inferences
Step 8	Filled in neighborhood for Row 112 column X
Step 9	Pivot Table 1 shows Harlem having a high number of properties
Step 10	Created filter for all columns
Step 11	Created Filter looking at conditional value of 7 or less for column AR
Step 12	Removed values of 0 in column bc
Step 13	Created a new column AE titled neighborhood clean to fix inconsistencies in data
Step 14	Created Pivot Table with neighborhoods as rows and the price as the value
Step 15	Created a Pivot Table "analysis of rental activity to discover which properties has been rented.
Step 16	Created filter in neighborhood clean to remove any blanks
Step 17	Analysis of rental activity shows the sum of reviews from the last 12 months as values in which neighborhoods as rows. This highlights what are the top 10 neighborhoods for vacation rentals.
Step 18	Created a Histogram to display findings
Step 19	Created new column bedroom_clean (A0)
Step 20	Used replaced blank values (studios for example) with a value of 0
Step 21	Created new pivot table highlighting which bedroom sizes are most popular
Step 22	Created filter in popularity by bedroom size table removing blanks and neighborhoods that are not in the top ten
Step 23	copy and pasted histogram from rental activity table to popularity table
Step 24	Created Pie chart to view percentage
	First analysis:
	1BR rentals are the most popular in a majority of neighborhoods.
	- Chelsea, East Harlem, and The East Village, Harlem, Lower East Side, Nolita, Upper West Side, and West Village
	In Hell's Kitchen, 2BR rentals are the most popular
	In Midtown, Studios are the most popular.

Data

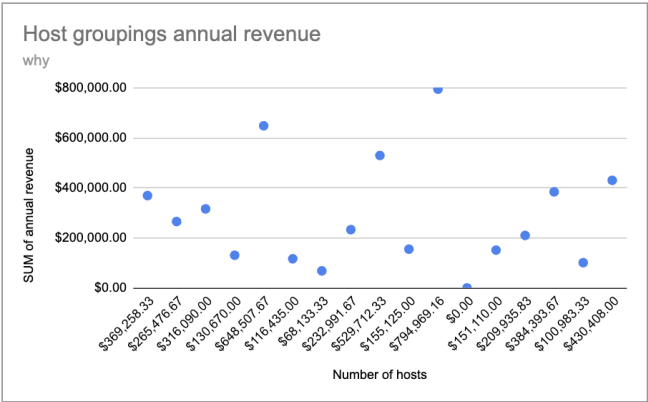
	A	B	C	D	E	F	G	H	I	
1	listing_id	date	day_of_week	available	occupied	price	adjusted_price	minimum_nights	maximum_nights	
2	9357	2022-09-07	Wednesday	f		1	\$175.00	\$175.00	30	1125
3	9357	2022-09-08	Thursday	f		1	\$175.00	\$175.00	30	1125
4	9357	2022-09-09	Friday	f		1	\$175.00	\$175.00	30	1125
5	9357	2022-09-10	Saturday	f		1	\$175.00	\$175.00	30	1125
6	9357	2022-09-11	Sunday	f		1	\$175.00	\$175.00	30	1125
7	9357	2022-09-12	Monday	f		1	\$175.00	\$175.00	30	1125
8	9357	2022-09-13	Tuesday	f		1	\$175.00	\$175.00	30	1125
9	9357	2022-09-14	Wednesday	f		1	\$175.00	\$175.00	30	1125
10	9357	2022-09-15	Thursday	f		1	\$175.00	\$175.00	30	1125
11	9357	2022-09-16	Friday	f		1	\$175.00	\$175.00	30	1125
12	9357	2022-09-17	Saturday	f		1	\$175.00	\$175.00	30	1125
13	9357	2022-09-18	Sunday	f		1	\$175.00	\$175.00	30	1125
14	9357	2022-09-19	Monday	f		1	\$175.00	\$175.00	30	1125
15	9357	2022-09-20	Tuesday	f		1	\$175.00	\$175.00	30	1125
16	9357	2022-09-21	Wednesday	f		1	\$175.00	\$175.00	30	1125
17	9357	2022-09-22	Thursday	f		1	\$175.00	\$175.00	30	1125
18	9357	2022-09-23	Friday	f		1	\$175.00	\$175.00	30	1125
19	9357	2022-09-24	Saturday	f		1	\$175.00	\$175.00	30	1125
20	9357	2022-09-25	Sunday	f		1	\$175.00	\$175.00	30	1125
21	9357	2022-09-26	Monday	f		1	\$175.00	\$175.00	30	1125
22	9357	2022-09-27	Tuesday	f		1	\$175.00	\$175.00	30	1125
23	9357	2022-09-28	Wednesday	f		1	\$175.00	\$175.00	30	1125
24	9357	2022-09-29	Thursday	f		1	\$175.00	\$175.00	30	1125
25	9357	2022-09-30	Friday	f		1	\$175.00	\$175.00	30	1125
26	9357	2022-10-01	Saturday	f		1	\$175.00	\$175.00	30	1125
27	9357	2022-10-02	Sunday	f		1	\$175.00	\$175.00	30	1125
28	9357	2022-10-03	Monday	f		1	\$175.00	\$175.00	30	1125

AirBnB data

	A	B	C	D	E	F	G	H	I	J	K	L	M
	id	listing_url	scrape_id	last_scrap	source	source_clear	name	description	neighborhood_overview	picture_url	host_id	host_url	host_name
4	57618	https://www.airbnb.com/rooms/57618	20220907064715	2022-09-07	previous scrape	Previous Scrape	Great new apt. close to everything	 The space The apartment is located in the heart of Manh	https://a0.musca	274557	https://www.airb	Ana	
5	57754	https://www.airbnb.com/rooms/57754	20220907064715	2022-09-07	city scrape	City Scrape	Stylish Large SPARKLING Gramercy Loft	Clean and stylish light-filled 1BR loft a it's safe, and the "hottest" in NY	https://a0.musca	275578	https://www.airb	R	
6	57874	https://www.airbnb.com/rooms/57874	20220907064715	2022-09-07	city scrape	City Scrape	The Brownstone-Luxury 1 Bd AptNYC	Tastefully and elegantly furnished, spa Fantastic and vibrant neighborh	https://a0.musca	276291	https://www.airb	Simon	
9	59709	https://www.airbnb.com/rooms/59709	20220907064715	2022-09-07	city scrape	City Scrape	Artistic, Cozy, and Spacious w/ Patio! Sleeps 4	A cozy two-bedroom apartment with it Our neighborhood is a crossroad	https://a0.musca	186084	https://www.airb	Ricardo &	
11	16974	https://www.airbnb.com/rooms/16974	20220907064715	2022-09-07	city scrape	City Scrape	SpaHa Loft: Enormous and Bright	Our luxury loft occupies the entire second floor of an old warehouse wit	https://a0.musca	65837	https://www.airb	Robin	
22	62891	https://www.airbnb.com/rooms/62891	20220907064715	2022-09-07	city scrape	City Scrape	Smallest House In The Village	 The space This is a very small, but very unique, free-stan	https://a0.musca	306545	https://www.airb	Olivia	
23	23686	https://www.airbnb.com/rooms/23686	20220907064715	2022-09-07	city scrape	City Scrape	West Village outdoor living private townhouse	August sale! Owner plans changed- i Restaurants - Near the hou	https://a0.musca	93790	https://www.airb	Ann	
23	123784	https://www.airbnb.com/rooms/123784	20220907064715	2022-09-07	city scrape	City Scrape	NYC Studio for Rent in Townhouse	Comfortable, spacious studio in one o The new restaurants, stores and	https://a0.musca	617990	https://www.airb	Christophe	
24	126443	https://www.airbnb.com/rooms/126443	20220907064715	2022-09-07	city scrape	City Scrape	Massive Duplex, 2BR & 28TH East Village 9+ Gue	NEWLY RENOVATED! Read our recs This is East Village, fix the best	https://a0.musca	627217	https://www.airb	Seith	
24	27644	https://www.airbnb.com/rooms/27644	20220907064715	2022-09-07	city scrape	City Scrape	Sugar Hill Rest Stop	The apartment is approx 1200 square I love the diversity of my neighb	https://a0.musca	119510	https://www.airb	Emma	
26	65425	https://www.airbnb.com/rooms/65425	20220907064715	2022-09-08	city scrape	City Scrape	Entire 2 Bedroom Apartment	Hi! Thanks for viewing my apartment- Please message me first be	https://a0.musca	314941	https://www.airb	Tony	
28	86251	https://www.airbnb.com/rooms/86251	20220907064715	2022-09-07	city scrape	City Scrape	East Village Loft with Piano & Patio	Comprising the entire second floor of a tenement building built in 1881	https://a0.musca	324460	https://www.airb	Samir	
31	144087	https://www.airbnb.com/rooms/144087	20220907064715	2022-09-07	city scrape	City Scrape	LUXURY OF THE HORIZON	the The space This is a fully furnished, very m	https://a0.musca	616825	https://www.airb	Rinaldo &	
33	148825	https://www.airbnb.com/rooms/148825	20220907064715	2022-09-07	city scrape	City Scrape	Best City Area Columbia U Upper West Side C Pai	Close to Columbia / C Park and every This dynamic neighborhood is sr	https://a0.musca	718349	https://www.airb	B.	
34	68974	https://www.airbnb.com/rooms/68974	20220907064715	2022-09-08	city scrape	City Scrape	Unique spacious loft on the Bowery	The loft on the Bowery is a very unique The Bowery is an incredible loca	https://a0.musca	281229	https://www.airb	Alicia	
36	42300	https://www.airbnb.com/rooms/42300	20220907064715	2022-09-08	city scrape	City Scrape	Beautiful Lower East Side Loft	Architect-owned loft is a corner unit in The apartment is in the border o	https://a0.musca	184755	https://www.airb	Koray	
38	152263	https://www.airbnb.com/rooms/152263	20220907064715	2022-09-07	city scrape	City Scrape	Cozy apartment in a brownstone	You will feel at ease and a part of the l Parking is curbside, which is saf	https://a0.musca	732535	https://www.airb	William	
42	163814	https://www.airbnb.com/rooms/163814	20220907064715	2022-09-07	city scrape	City Scrape	☆ STUDIO East Village ☆ Own bath! ☆ Sleeps 5	NEWLY RENOVATED!! Read our recs The East Village is known for its	https://a0.musca	627217	https://www.airb	Seith	
43	75635	https://www.airbnb.com/rooms/75635	20220907064715	2022-09-07	city scrape	City Scrape	Bright Cozy Chinatown Studio Apt.	 The space The studio is located on the 6th floor which is	https://a0.musca	401696	https://www.airb	Patricia	
45	179741	https://www.airbnb.com/rooms/179741	20220907064715	2022-09-07	city scrape	City Scrape	Spring at SoHo Apartment	DO NOT book my apartment before contacting me first. Please scroll c	https://a0.musca	314941	https://www.airb	Tony	
51	197931	https://www.airbnb.com/rooms/197931	20220907064715	2022-09-07	previous scrape	Previous Scrape	Tree-lined Street 5 min to Times Sq	Stay on a residential street five minute WALKING TIMES 5 min - i	https://a0.musca	965453	https://www.airb	Karolina	
52	294250	https://www.airbnb.com/rooms/294250	20220907064715	2022-09-07	previous scrape	Previous Scrape	Beautiful New Garden Apartment	 The space This is a recently gut renovated apartment, ve	https://a0.musca	45682	https://www.airb	Irina	
55	258688	https://www.airbnb.com/rooms/258688	20220907064715	2022-09-07	previous scrape	Previous Scrape	Spacious & Stylish Chelsea One Bedroom Apartm	800 square foot, New York apartment right in the middle of Chelsea, on	https://a0.musca	436599	https://www.airb	Chad	
56	260755	https://www.airbnb.com/rooms/260755	20220907064715	2022-09-07	city scrape	City Scrape	Tribeca Artist Loft 1000 sq/feet	PLEASE INQUIRIES ONLY. NO RES Tribeca which stands for "triangl	https://a0.musca	1366070	https://www.airb	Rad	
56	262583	https://www.airbnb.com/rooms/262583	20220907064715	2022-09-07	city scrape	City Scrape	Landmark 2 Bedroom West Village NYC	PLEASE SEND MESSAGE inquiry an The West Village is one of the m	https://a0.musca	605463	https://www.airb	West Villag	
58	263888	https://www.airbnb.com/rooms/263888	20220907064715	2022-09-07	city scrape	City Scrape	Contemporary & Classic Sanctuary on the Hudson	TRULY BETTER THAN A HOTEL. Thi The Parks! I'm located a block f	https://a0.musca	1384559	https://www.airb	C	
59	325429	https://www.airbnb.com/rooms/325429	20220907064715	2022-09-07	city scrape	City Scrape	Upper East 1 BDRM Great Location!	Ideally located NYC apartment. Full ki Carl Shurz Park a few blocks ea	https://a0.musca	92788	https://www.airb	Sara	
60	266753	https://www.airbnb.com/rooms/266753	20220907064715	2022-09-07	city scrape	City Scrape	2 Bedroom apt in Manhattan/New York	Our home is located in a great center Olya and Sinem's apartment wa	https://a0.musca	519554	https://www.airb	Sinem	
62	268668	https://www.airbnb.com/rooms/268668	20220907064715	2022-09-07	city scrape	City Scrape	Hudson Yards area. Renovated apartment	Vacation Rental- entire apartment Hudson Yards area 5 Minute	https://a0.musca	1408733	https://www.airb	Sergio	

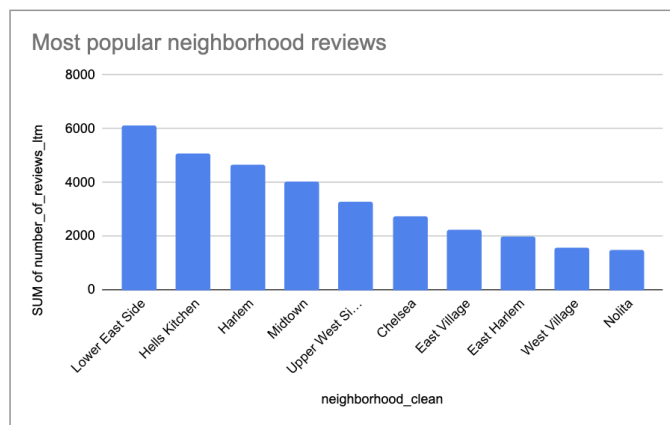
Clean data

	A	B	C	D	E	F	G	H	I	J
1	host_neighborhood_clean	COUNTA of host	SUM of annual revenue							
2	Alphabet City	15	\$369,258.33							
3	Chelsea	4	\$265,476.67							
4	Chinatown	3	\$316,090.00							
5	East Harlem	7	\$130,670.00							
6	East Village	12	\$648,507.67							
7	Flatiron District	3	\$116,435.00							
8	Greenwich Village	4	\$68,133.33							
9	Hamilton Heights	5	\$232,991.67							
10	Harlem	11	\$529,712.33							
11	Hell'S Kitchen	9	\$155,125.00							
12	Lower East Side	17	\$794,969.16							
13	Noho	2	\$0.00							
14	NoIta	3	\$151,110.00							
15	Soho	4	\$209,935.83							
16	Upper West Side	17	\$384,393.67							
17	Washington Heights	6	\$100,983.33							
18	West Village	8	\$430,408.00							
19	Grand Total	130	\$4,904,199.99							
20										
21										



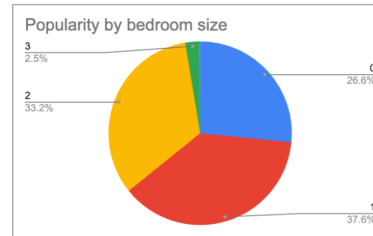
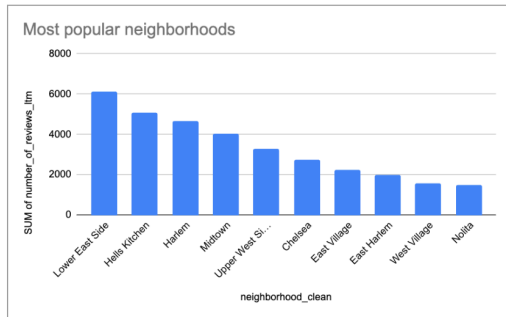
Pivot Tables showing Grouping annual rev

	A	B	C	D	E	F	G	H	I	J	K
1	neighborhood_clean	SUM of number	Average reviews of top 10								
2	Lower East Side	6133	3319.4								
3	Hells Kitchen	5059									
4	Harlem	4650									
5	Midtown	4024									
6	Upper West Side	3261									
7	Chelsea	2757									
8	East Village	2237									
9	East Harlem	2005									
10	West Village	1588									
11	Nolita	1480									
12	Upper East Side	1381									
13	Financial District	1076									
14	Chinatown	837									
15	Washington Heights	744									
16	Kips Bay	590									
17	Gramercy	476									
18	Soho	436									
19	Ellis Island	353									
20	Battery Park City	348									
21	Inwood	338									
22	Murray Hill	278									
23	Greenwich Village	262									
24	Little Italy	243									
25	Theater District	202									
26	Tribeca	162									
27	NoHo	121									
28	Flatiron District	111									
29	Marble Hill	74									
30	Two Bridges	31									
31	Central Park	20									
32	Stuyvesant Town	1									
33	Grand Total	41278									
34											



Most Popular Neighborhoods Reviews

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	SUM of number of reviews itm	neighborhood_clean											
2	bedrooms_clean	Chelsea	East Harlem	East Village	Harlem	Hells Kitchen	Lower East Side	Midtown	NoIta	Upper West Side	West Village		
3	0	26.59%	18.45%	16.18%	15.81%	4.39%	5.51%	64.39%	7.09%	11.32%	12.66%		
4	1	37.61%	40.80%	50.96%	41.01%	39.97%	86.96%	21.35%	84.19%	46.83%	50.50%		
5	2	33.19%	29.33%	24.90%	27.20%	47.89%	6.38%	11.73%	7.97%	23.89%	24.43%		
6	3	2.50%	4.89%	4.92%	7.57%	7.12%	0.03%	1.27%	0.74%	15.39%	10.20%		
7	4		6.53%	3.04%	4.86%	0.10%	0.29%	1.27%		0.92%	2.20%		
8	5				3.55%					1.66%			
9	6	0.11%					0.83%						
10	7					0.53%							
11	Grand Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		



Popularity by bedroom size

	A	B	C	D
1		bedrooms_clean	Values	
2		0		
3	neighborhood_clean	AVERAGE of price	AVERAGE of annual revenue	AVERAGE of occupancy rate
4	Midtown	\$251.38	78352.84925	0.863130
5	Grand Total	\$251.38	78352.84925	0.863130
6				
7				
8		bedrooms_clean	Values	
9		1		
10	neighborhood_clean	AVERAGE of occupancy rate	AVERAGE of annual revenue	AVERAGE of price
11	Lower East Side	63.68%	\$ 67,248.81	\$300.88
12				
13		bedrooms_clean	Values	
14		2		
15	neighborhood_clean	AVERAGE of annual revenue	AVERAGE of occupancy rate	AVERAGE of price
16	Hells Kitchen	103233.845	0.920651	\$307.63
17				

Top 3 apartment data

	A	B	C	D	E
1		bedrooms_clean	Values		
2		0			
3	neighborhood_clean	AVERAGE of occupancy rate	AVERAGE of annual revenue	AVERAGE of price	
4	Midtown	86.31%	\$78,352.85	\$251.38	
5					
6					

Midtown data

	A	B	C	D
1		bedrooms_clean	Values	
2		1		
3	neighborhood_clean	AVERAGE of occupancy rate	AVERAGE of annual revenue	AVERAGE of price
4	Lower East Side	63.68%	\$ 67,248.81	\$300.88
5				


LES data

	A	B	C	D
1		bedrooms_clean	Values	
2		2		
3	neighborhood_clean	AVERAGE of occupancy rate	AVERAGE of annual revenue	AVERAGE of price
4	Hells Kitchen	92.07%	\$ 103,233.85	\$307.63
5				

Hells Kitchen data

	A	B
1	neighborhood_clean	AVERAGE of price
2	West Village	\$370.56
3	Washington Heights	\$210.74
4	Upper West Side	\$263.24
5	Upper East Side	\$414.52
6	Two Bridges	\$341.00
7	Tribeca	\$660.33
8	Theater District	\$411.75
9	Stuyvesant Town	\$241.00
10	Soho	\$485.23
11	Nolita	\$368.06
12	Noho	\$369.60
13	Murray Hill	\$336.14
14	Midtown	\$397.31
15	Marble Hill	\$276.50
16	Lower East Side	\$344.77
17	Little Italy	\$278.00
18	Kips Bay	\$416.53
19	Inwood	\$163.25
20	Hells Kitchen	\$343.65
21	Harlem	\$245.02
22	Greenwich Village	\$430.00
23	Gramercy	\$326.50
24	Flatiron District	\$352.20
25	Financial District	\$434.56
26	Ellis Island	\$155.00
27	East Village	\$309.57
28	East Harlem	\$364.29
29	Chinatown	\$338.38
30	Chelsea	\$397.72
31	Central Park	\$370.00
32	Battery Park City	\$339.67
33		\$244.34
34	Grand Total	\$294.89

Average price per neighborhood

	A	B	C
1	listing_id	AVERAGE of occupied	
2	953314	0.00%	
3	993575	0.00%	
4	1056445	0.00%	
5	5525510	0.00%	
6	6559926	0.00%	
7	7310835	0.00%	
8	7630422	0.00%	
9	12325045	0.00%	
10	13373898	0.00%	
11	15528972	0.00%	
12	16758426	0.00%	
13	17662555	0.00%	
14	21427176	0.00%	
15	23369991	0.00%	
16	25521700	0.00%	
17	27437145	0.00%	
18	32137481	0.00%	
19	34059931	0.00%	
20	34659944	0.00%	
21	39312932	0.00%	
22	44799007	0.00%	
23	45414303	0.00%	
24	45914463	0.00%	
25	46472388	0.00%	
26	46787572	0.00%	
27	48121041	0.00%	
28	48861059	0.00%	
29	50444487	0.00%	
30	50912283	0.00%	
31	51228351	0.00%	
32	52568963	0.00%	
33	53346294	0.00%	
34	5730746563553	0.00%	
35	6073837986954	0.00%	
36	6339354366189	0.00%	
37	6671861547958	0.00%	
38	6674940014841	0.00%	
39	7065974609418	0.00%	
40	 664047	3.33%	

Sample of Calendar Values

	A	B	C	D
1	Data Dictionary for Listings			
2	Field	Type	Calculated	Description
3	id	integer		Airbnb's unique identifier for the listing
4	listing_url	text	y	
5	scrape_id	bigint	y	Inside Airbnb "Scrape" this was part of
6	last_scraped	datetime	y	UTC. The date and time this listing was "scraped".
7	source	text		One of "neighbourhood search" or "previous scrape". "neighbourhood search"
8	name	text		Name of the listing
9	description	text		Detailed description of the listing
10	neighborhood_overview	text		Host's description of the neighbourhood
11	picture_url	text		URL to the Airbnb hosted regular sized image for the listing
12	host_id	integer		Airbnb's unique identifier for the host/user
13	host_url	text	y	The Airbnb page for the host
14	host_name	text		Name of the host. Usually just the first name(s).
15	host_since	date		The date the host/user was created. For hosts that are Airbnb guests this could be
16	host_location	text		The host's self reported location
17	host_about	text		Description about the host
18	host_response_time			
19	host_response_rate			
20	host_acceptance_rate			That rate at which a host accepts booking requests.
21	host_is_superhost	boolean [t=true; f=false]		
22	host_thumbnail_url	text		
23	host_picture_url	text		
24	host_neighborhood	text		
25	host_listings_count	text		The number of listings the host has (per Airbnb calculations)
26	host_total_listings_count	text		The number of listings the host has (per Airbnb calculations)
27	host_verifications			
28	host_has_profile_pic	boolean [t=true; f=false]		
29	host_identity_verified	boolean [t=true; f=false]		
30	neighborhood	text	y	The neighbourhood as geocoded using the latitude and longitude against
31	neighbourhood_group	text	y	The neighbourhood group as geocoded using the latitude and longitude against
32	latitude	numeric		Uses the World Geodetic System (WGS84) projection for latitude and longitude.
33	longitude	numeric		Uses the World Geodetic System (WGS84) projection for latitude and longitude.
34	property_type	text		Self selected property type. Hotels and Bed and Breakfasts are described as such by
35	room_type	text		All homes are grouped into the following three room types:
36	accommodates	integer		The maximum capacity of the listing
37	bathrooms	numeric		The number of bathrooms in the listing
38	bathrooms_text	string		The number of bathrooms in the listing.

Sample of data dictionary for listings

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	id	listing_url	scrape_id	last_scraped	source	name	description	neighborhood_overview	picture_url	host_id	host_url	host_name	host_since
2	82638	https://www.airbnb.com/rooms/82638	20220907064715	2022-09-07	city scrape	Charming Artist's Flat, East Village	The space If it's an auth The East Village is the best neig	https://a0.musca	449787	https://www.air	Sarah	2011-03-18	
3	9357	https://www.airbnb.com/rooms/9357	20220907064715	2022-09-07	previous scrape	Midtown Pied-a-terre	HELLO. PLEASE DO NOT HIT "REQ Quiet residential block near man	https://a0.musca	30193	https://www.air	Tommi	2009-08-06	
4	57618	https://www.airbnb.com/rooms/57618	20220907064715	2022-09-07	previous scrape	Great new apt, close to everything	The space The apartment is located in the heart of Manhi	https://a0.musca	274557	https://www.air	Ana	2010-10-30	
5	57754	https://www.airbnb.com/rooms/57754	20220907064715	2022-09-07	city scrape	Stylish Large SPARKLING Gramercy Loft!	Clean and stylish light-filled 1BR loft a lt's safe, and the "hottest" in NY!	https://a0.musca	275578	https://www.air	R	2010-10-31	
6	57874	https://www.airbnb.com/rooms/57874	20220907064715	2022-09-07	city scrape	The Brownstone-Luxury 1 Bd Apt/NYC	Tastefully and elegantly furnished, spe Fantastic and vibrant neighborh	https://a0.musca	276291	https://www.air	Simon	2010-11-01	
7	15341	https://www.airbnb.com/rooms/15341	20220907064715	2022-09-08	city scrape	* Bright, One Bedroom in Doorman Elevator Bldg *	Greetings! Come relax het This 1-bedroom apartment is coi	https://a0.musca	60049	https://www.air	Ted	2009-12-04	
8	59014	https://www.airbnb.com/rooms/59014	20220907064715	2022-09-07	city scrape	Spacious 1BR, Adorable Clean Quiet	IMPORTANT: PLEASE DON'T MAKE NEIGHBORHOOD: Lower East	https://a0.musca	282927	https://www.air	Drica	2010-11-10	
9	59709	https://www.airbnb.com/rooms/59709	20220907064715	2022-09-07	city scrape	Artistic, Cozy, and Spacious w/ Patio! Sleeps 4	A cozy two-bedroom apartment with it Our neighborhood is a crossroa	https://a0.musca	186084	https://www.air	Ricardo & Ashl	2010-07-30	
10	60164	https://www.airbnb.com/rooms/60164	20220907064715	2022-09-07	city scrape	Beautiful, elegant 3 bed SOHO loft	An amazing 1500sq ft full 3 bedroom l Great Neighborhood, right near	https://a0.musca	289653	https://www.air	Harrison	2010-11-17	
11	16974	https://www.airbnb.com/rooms/16974	20220907064715	2022-09-07	city scrape	SpaHa Loft: Enormous and Bright	Our luxury loft occupies the entire second floor of an old warehouse wit	https://a0.musca	65837	https://www.air	Robin	2009-12-26	
12	60611	https://www.airbnb.com/rooms/60611	20220907064715	2022-09-07	city scrape	SpaHa Studio Monthly Rental	This is the real New York City experier Our neighborhood is quite safe	https://a0.musca	292204	https://www.air	Blanca	2010-11-16	
13	107895	https://www.airbnb.com/rooms/107895	20220907064715	2022-09-07	city scrape	Riverside Charm with Fire Place	Cozy, sunny and quiet on on charming historic Upper West Side block.	https://a0.musca	3088389	https://www.air	Kai	2012-07-28	
14	17037	https://www.airbnb.com/rooms/17037	20220907064715	2022-09-07	city scrape	Lovely EV Artist's Home	I am happy to host responsible visitors! The neighborhood is friendly, ac	https://a0.musca	66035	https://www.air	Anna	2009-12-27	
15	60680	https://www.airbnb.com/rooms/60680	20220907064715	2022-09-07	city scrape	Bright, High Ceiling, Spacious & Cozy 1BR - Enjoy	You will have this full 1 bedroom for yc My neighborhood is a safe, resic	https://a0.musca	292630	https://www.air	Mich	2010-11-20	
16	61509	https://www.airbnb.com/rooms/61509	20220907064715	2022-09-07	previous scrape	Quiet, clean midtown apt w. elevato	This apartment is available until July 3 It is located steps away from Gr	https://a0.musca	23619	https://www.air	Anna/Fonzy	2009-06-28	
17	62427	https://www.airbnb.com/rooms/62427	20220907064715	2022-09-07	city scrape	Great East Village Apartment Rental	Be in the heart of the best neighborhood in NYC! The sp	https://a0.musca	303882	https://www.air	Brie	2010-11-28	
18	19159	https://www.airbnb.com/rooms/19159	20220907064715	2022-09-07	city scrape	Spacious luminous apt Upper West NYC	1000sq feet: master bedroom-large st After walking all day downtown i	https://a0.musca	73051	https://www.air	Sybill	2010-01-24	
19	62891	https://www.airbnb.com/rooms/62891	20220907064715	2022-09-07	city scrape	Smallest House In The Village	The space This is a very small, but very unique, free-stan	https://a0.musca	306545	https://www.air	Olivia	2010-12-01	
20	116551	https://www.airbnb.com/rooms/116551	20220907064715	2022-09-07	city scrape	Beautiful Harlem Studio Apartment - private access	Fully furnished Apartment! . Private, Safe, Clean. Wi-Fi, Laundry, C	https://a0.musca	497672	https://www.air	Cynthia And C	2011-04-10	
21	63693	https://www.airbnb.com/rooms/63693	20220907064715	2022-09-07	city scrape	Cottage in the Village	The space This is a 2-story, 2-bedroom house in the East	https://a0.musca	306545	https://www.air	Olivia	2010-12-01	
22	23686	https://www.airbnb.com/rooms/23686	20220907064715	2022-09-07	city scrape	West Village outdoor living private townhouse	August sale! Owner plans changed= Restaurants: Near the hou	https://a0.musca	93790	https://www.air	Ann	2010-03-18	
23	123784	https://www.airbnb.com/rooms/123784	20220907064715	2022-09-07	city scrape	NYC Studio for Rent in Townhouse	Comfortable, spacious studio in one o The new restaurants, stores and	https://a0.musca	617990	https://www.air	Christopher	2011-05-28	
24	126443	https://www.airbnb.com/rooms/126443	20220907064715	2022-09-07	city scrape	Massive Duplex, 2BR & 2BTH East Village 9+ Gue	NEWLY RENOVATED! Read our rece This is East Village, it's the best	https://a0.musca	627217	https://www.air	Seith	2011-05-28	
25	27644	https://www.airbnb.com/rooms/27644	20220907064715	2022-09-07	city scrape	Sugar Hill Rest Stop	The apartment is approx 1200 square I love the diversity of my neighb	https://a0.musca	119510	https://www.air	Emma	2010-05-06	
26	65425	https://www.airbnb.com/rooms/65425	20220907064715	2022-09-08	city scrape	Entire 2 Bedroom Apartment	Hil Thanks for viewing my apartment. Please message me first be	https://a0.musca	314941	https://www.air	Tony	2010-12-10	
27	29683	https://www.airbnb.com/rooms/29683	20220907064715	2022-09-07	city scrape	Stylish Apartment with office space Near SoHo!	Modern 1 bedroom apartment with sty NoHo is perfectly situated downt	https://a0.musca	125857	https://www.air	Uli	2010-05-16	
28	66251	https://www.airbnb.com/rooms/66251	20220907064715	2022-09-07	city scrape	East Village Loft with Piano & Patio	Comprising the entire second floor of a tenement building built in 1881	https://a0.musca	324460	https://www.air	Samir	2010-12-21	
29	140973	https://www.airbnb.com/rooms/140973	20220907064715	2022-09-07	city scrape	East Village Charmer	Added in the most recent renovation is The East Village is alive with res	https://a0.musca	686147	https://www.air	Dave	2011-06-10	
30	67288	https://www.airbnb.com/rooms/67288	20220907064715	2022-09-07	previous scrape	Central Park 1BR sunny condo	Enjoy everything New York has to offe Less than a minute to walk to C	https://a0.musca	101597	https://www.air	Per	2010-03-31	
31	144087	https://www.airbnb.com/rooms/144087	20220907064715	2022-09-07	city scrape	LUXURY OF THE HORIZON	the The space This is a fully furnished, very m	https://a0.musca	616825	https://www.air	Rinaldo & Jess	2011-05-28	
32	36703	https://www.airbnb.com/rooms/36703	20220907064715	2022-09-07	city scrape	Sunny, clean 1 bdrm in W. Village	The space Location! Lo One black from The 1,9 subway,	https://a0.musca	158284	https://www.air	Karene	2010-07-08	
33	148825	https://www.airbnb.com/rooms/148825	20220907064715	2022-09-07	city scrape	Best City Area Columbia U Upper West Side C Par	Close to Columbia / C Park and every This dynamic neighborhood is sr	https://a0.musca	718349	https://www.air	B	2011-06-18	
34	68974	https://www.airbnb.com/rooms/68974	20220907064715	2022-09-08	city scrape	Unique spacious loft on the Bowery	The loft on the Bowery is a very uniqu The Bowery is an incredible loca	https://a0.musca	281229	https://www.air	Alicia	2010-11-08	
35	69894	https://www.airbnb.com/rooms/69894	20220907064715	2022-09-07	previous scrape	Nice renovated apt, prime location!	Come enjoy your stay in New York Cit You are in the heart of the Uppe	https://a0.musca	352168	https://www.air	Silvia	2011-01-18	
36	42300	https://www.airbnb.com/rooms/42300	20220907064715	2022-09-08	city scrape	Beautiful Lower East Side Loft	Architect-owned loft is a corner unit in The apartment is in the border o	https://a0.musca	184755	https://www.air	Koray	2010-07-28	
37	71248	https://www.airbnb.com/rooms/71248	20220907064715	2022-09-07	city scrape	Bright and lovely 1-bdrm LES apt w/ balcony	READ BEFORE MAKING BOOKING I Vibrant community, friendly neig	https://a0.musca	363834	https://www.air	Jennifer	2011-01-28	

Sample of listings data

	A	B	C	D	E	F	G
1	listing_id	date	available	price	adjusted_price	minimum_nights	maximum_nights
2	9357	2022-09-07	f	\$175.00	\$175.00	30	1125
3	9357	2022-09-08	f	\$175.00	\$175.00	30	1125
4	9357	2022-09-09	f	\$175.00	\$175.00	30	1125
5	9357	2022-09-10	f	\$175.00	\$175.00	30	1125
6	9357	2022-09-11	f	\$175.00	\$175.00	30	1125
7	9357	2022-09-12	f	\$175.00	\$175.00	30	1125
8	9357	2022-09-13	f	\$175.00	\$175.00	30	1125
9	9357	2022-09-14	f	\$175.00	\$175.00	30	1125
10	9357	2022-09-15	f	\$175.00	\$175.00	30	1125
11	9357	2022-09-16	f	\$175.00	\$175.00	30	1125
12	9357	2022-09-17	f	\$175.00	\$175.00	30	1125
13	9357	2022-09-18	f	\$175.00	\$175.00	30	1125
14	9357	2022-09-19	f	\$175.00	\$175.00	30	1125
15	9357	2022-09-20	f	\$175.00	\$175.00	30	1125
16	9357	2022-09-21	f	\$175.00	\$175.00	30	1125
17	9357	2022-09-22	f	\$175.00	\$175.00	30	1125
18	9357	2022-09-23	f	\$175.00	\$175.00	30	1125
19	9357	2022-09-24	f	\$175.00	\$175.00	30	1125
20	9357	2022-09-25	f	\$175.00	\$175.00	30	1125
21	9357	2022-09-26	f	\$175.00	\$175.00	30	1125
22	9357	2022-09-27	f	\$175.00	\$175.00	30	1125
23	9357	2022-09-28	f	\$175.00	\$175.00	30	1125
24	9357	2022-09-29	f	\$175.00	\$175.00	30	1125
25	9357	2022-09-30	f	\$175.00	\$175.00	30	1125
26	9357	2022-10-01	f	\$175.00	\$175.00	30	1125
27	9357	2022-10-02	f	\$175.00	\$175.00	30	1125
28	9357	2022-10-03	f	\$175.00	\$175.00	30	1125
29	9357	2022-10-04	f	\$175.00	\$175.00	30	1125
30	9357	2022-10-05	f	\$175.00	\$175.00	30	1125
31	9357	2022-10-06	f	\$175.00	\$175.00	30	1125
32	15341	2022-09-08	f	\$205.00	\$205.00	30	1125
33	15341	2022-09-09	f	\$221.00	\$221.00	30	1125
34	15341	2022-09-10	f	\$216.00	\$216.00	30	1125
35	15341	2022-09-11	f	\$201.00	\$201.00	30	1125
36	15341	2022-09-12	f	\$196.00	\$196.00	30	1125
37	15341	2022-09-13	f	\$198.00	\$198.00	30	1125
38	15341	2022-09-14	f	\$202.00	\$202.00	30	1125

Sample of listing_id