

DATA DICTIONARY(AirBnB)

Data Description:

Number of records	Number of columns
247,859	61

Table listings_dataset:

Field	Type	is_Calculated	Description
Date	Date		Date of the Airbnb listing
id	integer		Airbnb's unique identifier for the listing
scrape_id			
calendar_last_scraped	date		The date when the calendar data for the listing was last scraped or updated. This field provides information about the most recent date when the availability calendar for a listing was retrieved from the Airbnb platform.
name	text		Name of the listing
host_id	integer		Airbnb's unique identifier for the host/user
host_since	date		The date the host/user was created. For hosts that are Airbnb guests this could be the date they registered as a guest.
host_city	text	y	Extracted host's city from self reported location
host_country	text	y	Extracted host's country from self reported location
host_response_time	text		This column indicates the average time it takes for a host to respond to inquiries Possible Values: 'within an hour': The host typically responds to messages within an

			hour. • 'within a few hours': The host typically responds to messages within a few hours. • 'within a day': The host typically responds to messages within a day. • 'a few days or more': The host typically takes a few days or more to respond to messages.
host_response_rate	float		This column represents the percentage of messages or inquiries from guests that the host responds to.
host_acceptance_rate			That rate at which a host accepts booking requests.
host_is_superhost	Integer[1=true; 0=false]		Indicates whether the host is a superhost.
host_listings_count	text		The number of listings the host has (per Airbnb unknown calculations)
host_has_profile_pic	Integer[1=true; 0=false]		Indicates whether the host has a profile picture.
host_identity_verified	Integer [1=true; 0=false]		Indicates whether the host's identity has been verified.
neighbourhood_cleansed	text	y	The neighbourhood as geocoded using the latitude and longitude against neighbourhoods as defined by open or public digital shapefiles.
latitude	numeric		Uses the World Geodetic System (WGS84) projection for latitude and longitude.
longitude	numeric		Uses the World Geodetic System (WGS84) projection for latitude and longitude.
property_type	text		Self selected property type. Hotels and Bed and Breakfasts are described as such by their hosts in this field
room_type	text		[Entire home/apt Private room Shared room Hotel] All homes are grouped into the

			following three room types: • Entire place • Private room • Shared room <u>Entire place</u> Entire places are best if you're seeking a home away from home. With an entire place, you'll have the whole space to yourself. This usually includes a bedroom, a bathroom, a kitchen, and a separate, dedicated entrance. Hosts should note in the description if they'll be on the property or not (ex: "Host occupies first floor of the home"), and provide further details on the listing. <u>Private rooms</u> Private rooms are great for when you prefer a little privacy, and still value a local connection. When you book a private room, you'll have your own private room for sleeping and may share some spaces with others. You might need to walk through indoor spaces that another host or guest may occupy to get to your room. <u>Shared rooms</u> Shared rooms are for when you don't mind sharing a space with others. When you book a shared room, you'll be sleeping in a space that is shared with others and share the entire space with other people. Shared rooms are popular among flexible travelers looking for new friends and budget-friendly stays.
accommodates	integer		The maximum capacity of the listing
beds	integer		The number of bed(s)
price	currency		daily price in local currency
minimum_nights	integer		minimum number of night stay for the listing (calendar rules may be different)

maximum_nights	integer		maximum number of night stay for the listing (calendar rules may be different)
minimum_minimum_nights	integer	y	the smallest minimum_night value from the calender (looking 365 nights in the future)
maximum_minimum_nights	integer	y	the largest minimum_night value from the calender (looking 365 nights in the future)
minimum_maximum_nights	integer	y	the smallest maximum_night value from the calender (looking 365 nights in the future)
maximum_maximum_nights	integer	y	the largest maximum_night value from the calender (looking 365 nights in the future)
minimum_nights_avg_ntm	numeric	y	the average minimum_night value from the calender (looking 365 nights in the future)
maximum_nights_avg_ntm	numeric	y	the average maximum_night value from the calender (looking 365 nights in the future)
availability_30	integer	y	availability_x. The availability of the listing x days in the future as determined by the calendar. Note a listing may not be available because it has been booked by a guest or blocked by the host.
availability_60	integer	y	availability_x. The availability of the listing x days in the future as determined by the calendar. Note a listing may not be available because it has been booked by a guest or blocked by the host.
availability_90	integer	y	availability_x. The availability of the listing x days in the future as determined by the calendar. Note a listing may not be available because it has been booked by a guest or blocked by the host.
availability_365	integer	y	availability_x. The availability of the listing x days in the future as determined by the calendar. Note a listing may not be available because it has been booked by a guest or blocked by the host.
number_of_reviews	integer		The number of reviews the listing has

number_of_reviews_ltm	integer	y	The number of reviews the listing has (in the last 12 months)
number_of_reviews_l30d	integer	y	The number of reviews the listing has (in the last 30 days)
first_review	date	y	The date of the first/oldest review
last_review	date	y	The date of the last/newest review
review_scores_rating	float		The overall rating score given by guests to the listing. Range:0-5
review_scores_accuracy	float		The rating score given by guests for the accuracy of the listing description. Range:0-5
review_scores_cleanliness	float		The rating score given by guests for the cleanliness of the listing Range:0-5
review_scores_checkin	float		The rating score given by guests for the check-in process of the listing. Range:0-5
review_scores_communication	float		The rating score given by guests for the communication with the host. Range:0-5
review_scores_location	float		The rating score given by guests for the location of the listing. Range:0-5
review_scores_value	float		The rating score given by guests for the value provided by the listing in relation to their value for money. Range:0-5
instant_bookable	boolean		[t=true; f=false]. Whether the guest can automatically book the listing without the host requiring to accept their booking request. An indicator of a commercial listing.
calculated_host_listings_count	integer	y	The number of listings the host

nt			has in the current scrape, in the city/region geography.
calculated_host_listings_count_entire_homes	integer	y	The number of Entire home/apt listings the host has in the current scrape, in the city/region geography
calculated_host_listings_count_private_rooms	integer	y	The number of Private room listings the host has in the current scrape, in the city/region geography
calculated_host_listings_count_shared_rooms	integer	y	The number of Shared room listings the host has in the current scrape, in the city/region geography
reviews_per_month	numeric	y	The average number of reviews per month the listing has over the lifetime of the listing. Psuedocoe/~SQL: IF scrape_date - first_review <= 30 THEN number_of_reviews ELSE number_of_reviews / ((scrape_date - first_review + 1) / (365/12))
bathrooms_text	string		The number of bathrooms in the listing. On the Airbnb web-site, the bathrooms field has evolved from a number to a textual description. For older scrapes, bathrooms is used.
bedrooms	integer		The number of bedrooms
amenities	json		
host_city			City where host resides in
host_country	string		Region where host resides in
Country	string		Country of the Airbnb listing
City	string		City of the Airbnb listing
Zone	string		Zone of the Airbnb listing