

AirBnB & Zillow Data Challenge

AirBnB & Zillow Data Files – Dataset Level Metadata

Data File(s)	Description
Listings	Information on the listing including location, number of bedrooms, room types (entire home/private home/shared home)
ZHVI 2 – Bedroom Time Series (\$) <i>(by zip code)</i>	Cost data to determine the average property price for 2 bedrooms

AirBnB Detailed Listings Dataset – Column Level Metadata

Listings

Field	Description
id	Identifier used by AirBnB for the listing
listing_url	URL used by AirBnB for their listing
scrape_id	Identifier used internally by AirBnB to identify the date of the data
last_scraped	Identifier used internally by AirBnB to identify when the data was last pulled.

name	Header created by host to entice potential occupants to stay at their property
summary	Description provided by the host of their property
space	Description provided by host describing the space (bedrooms, bathrooms, sqft, etc) of their property
description	Detailed information about the property, neighborhood, amenities, location, and anything else the host feels would be beneficial to share
experiences_offered	Information about what experiences are offered; eg. Bikes, surfing, canoes, etc
neighborhood_overview	Additional detail about the neighborhood including sites to see, restaurants, noise, landmarks around, etc.
notes	Any other additional notes the host would like to disclose, which was not provided in the other description information.
transit	Host can provide the kind of transportation available nearby including bus, trains, airport, etc..
access	Description on how to enter the home, what area of the home is available for use, and what you are able items you are able to use during your stay.
interaction	The availability of the host; could be in person, phone, email, text, etc. The host provides guidelines of what the occupant can expect for communication and if they expect to meet.

house_rules	The host provides rules of the home that they expect the occupant to adhere to. Examples include clean up, laundry, dishes, etc.
thumbnail_url	URL specific to AirBnB where the posted pictures are stored.
medium_url	URL specific to AirBnB where the posted pictures are stored.
picture_url	URL specific to AirBnB where the posted pictures are stored.
xl_picture_url	URL specific to AirBnB where the posted pictures are stored.
host_id	Identifier assigned to a particular host. A host can have multiple properties listed and would have the same unique identifier.
host_url	URL assigned to the host for their listing.
host_name	Name of the host.
host_since	Date of when the host first initiated their account with AirBnB.
host_location	City, State, and Country of where the host is located.
host_about	Information provided by host to potential occupant.
host_response_time	Time a potential occupant can expect to receive a response after inquiring about the property.

host_response_rate	Percentage of historical responses
host_acceptance_rate	Percentage of historical acceptances from potential occupants. This information is currently unavailable.
host_is_superhost	Superhosts are experienced hosts who provide a shining example for other hosts, and extraordinary experiences for their guests.
host_thumbnail_url	URL assigned to host where the pictures are posted
host_picture_url	URL assigned to host where the pictures are posted
host_neighbourhood	Name of the neighborhood the host is listing the property at
host_listings_count	Number of properties host has listed on AirBnB currently
host_total_listings_count	Number of properties host has ever listed on AirBnB
host_verifications	Avenues a potential occupant can check on the host to verify reputation
host_has_profile_pic	Indicator for profile picture provided t = yes f = no
host_identity_verified	Further checks have been conducted by host to AirBnB to verify existence and reputation. t = yes f = no

street	Street address where the property is located
neighbourhood	Neighborhood where the property is located
neighbourhood_cleansed	Verified neighborhood name where the property is located.
neighbourhood_group_cleansed	Name of the area where the property is located.
city	City where the property is located.
state	State where the property is located.
zipcode	Zip code where the property is located.
market	State where the property is located
smart_location	City and state together where the property is located.
country_code	Country abbreviation where the property is located.
country	Full country name where the property is located.
latitude	The angular distance of a place north or south of the earth's equator, expressed in degrees and minutes.
longitude	The angular distance of a place east or west of the meridian at Greenwich, England, expressed in degrees and minutes.

is_location_exact	<p>Indicator to validate if the latitude and longitude is exact or not.</p> <p>t = yes</p> <p>f = no</p>
property_type	<p>Indicates the type of house is this is considered. Examples are house, apartment, townhomes, etc...</p>
room_type	<p>Indicates specific rooms available for rent and/or the entire home.</p>
accommodates	<p>Indicates the amount of people the host is allowing to occupy the property.</p>
bathrooms	<p>Indicates the number of bathrooms within the property.</p>
bedrooms	<p>Indicates the number of bedrooms within the property.</p>
beds	<p>Indicates the number of beds within the property for use.</p>
bed_type	<p>Indicates the type of bed the property has. ie. futon, real bed, airbed, etc.</p>
amenities	<p>Provides the potential occupant the type of convenience items included as part of rent. Items include cable television, wifi, toiletries, food, etc..</p>
square_feet	<p>Square footage of the property or space for rent.</p>
price	<p>Price the host is charging to stay per night.</p>

weekly_price	Weekly price the host is charging; this could be discounted for longer term stays.
monthly_price	Monthly price the host is charging; this could be discounted for longer term stays.
security_deposit	Amount the host would like upfront for any incidentals (should you damage anything during your stay).
cleaning_fee	Price the host is charging to clean up after your stay.
guests_included	Indicates the number of guests the host is allowing you to bring along.
extra_people	Additional charge per additional guests you bring.
minimum_nights	Minimum amount of nights the host is willing to rent out the property.
maximum_nights	Maximum amount of nights the host is willing to rent out the property.
calendar_updated	Indicates when the host has updated the availability of when the property is available to rent.
has_availability	Indicator to show if the host has availability currently; not currently available at the moment.
availability_30	Indicates the number of days the property is available for rent within 30 days.
availability_60	Indicates the number of days the property is available for rent within 60 days.

availability_90	Indicates the number of days the property is available for rent within 90 days.
availability_365	Indicates the number of days the property is available for rent within 365 days.
calendar_last_scraped	Date when the availability calendar was last pulled by AirBnB.
number_of_reviews	Number of reviews received for the property for its entire existence within AirBnB.
first_review	Date of when the first review was provided.
last_review	Date of when the last review was provided.
review_scores_rating	Overall score given based on accuracy, cleanliness, check-in, communication, location, and value.
review_scores_accuracy	Score based on the accuracy of the description and pictures provided in the listing of the host.
review_scores_cleanliness	Score based on the cleanliness of the property when occupant arrived property.
review_scores_checkin	Score based on the ease of checkin when the occupant arrived to the property.
review_scores_communication	Score based on the communication between host and occupant before and during their stay.
review_scores_location	Score based on the location of the property.
review_scores_value	Score based on the price charged for the property based on everything that is offered.

requires_license	Indicator to show if the host requires a license to stay at the property. t = yes f = no
license	Host should require a license; this field would have the number.
jurisdiction_names	Name of the jurisdiction of where the property is at. This field is currently unavailable.
instant_bookable	Indicates if the property can be booked immediately or is currently unavailable to book. t = yes f = no
cancellation_policy	Indicates how flexible the host is for cancelling the reservation. Values range from flexible to superstrict.
require_guest_profile_picture	Requires the occupant to provide a picture in order to reserve the property.
require_guest_phone_verification	Requires the occupant to provide a valid phone number in order to reserve the property.
calculated_host_listings_count	Total number of listings the host has on AirBnB.
reviews_per_month	Number of reviews the host has received on average per month.

Zillow Median Home Value Datasets – Column Level Metadata

ZHVI 2 – Bedroom Time Series (\$) (*by zip code*)

Field	Description
RegionID	Zillow assigned number only, assigned consecutively when the regions are defined.
RegionName	Zip code of where the property is located.
City	City of where the property is located.
State	State of where the property is located.
Metro	General name of the surrounding area where the property is located.
CountyName	Political and administrative division of a state, referred to as a particular part of the state.
SizeRank	Population of the area; the lower the number the greater the population.
1996-04 – XXXX-XX (XXXX-XX indicates the latest date available at the time the data is pulled)	Indicates the historical median price within that area.