

Data Tables Schema

listings

Descriptive information on tens of thousands of Airbnb listings along the U.S. West Coast.

59,824 rows & 29 columns. Size: ~30MB. Source: [Airbnb](#).

accommodates	INTEGER	Number of customers the property can fit
amenities	STRING	List of amenities available in the property, comma-delimited
availability_30	INTEGER	Number of nights the property is available in the following month
bathrooms	INTEGER	Number of bathrooms in the property
bed_type	STRING	Type of the beds available
bedrooms	INTEGER	Number of bedrooms in the property
beds	INTEGER	Number of beds in the property
cancellation_policy	STRING	Cancellation Flexibility level
city	STRING	Neighborhood/city the property located in
has_availability	STRIG	Whether the property has availability
host_id	INTEGER	ID of the property host
id	INTEGER	ID of the listed property
instant_bookable	STRING	Whether the property allows for instant booking
latitude	FLOAT	Latitude of property
longitude	FLOAT	Longitude of property
metropolitan	STRING	Metropolitan area the property located in
name	STRING	Name of the property
price	FLOAT	One-night rental price of the property, in U.S. dollars
property_type	STRING	Type of the property
review_scores_checkin	INTEGER	Customer review of the property's check-in process
review_scores_cleanliness	INTEGER	Customer review of the property's cleanliness
review_scores_communication	INTEGER	Customer review of the property owner's communication

review_scores_location	INTEGER	Customer review of the property's location
review_scores_rating	INTEGER	Overall customer review of the property's rating
review_scores_value	INTEGER	Customer review of the rental value
room_type	STRING	Type of the rooms available
state	STRING	State the property located in
weekly_price	FLOAT	One-week rental price of the property, in U.S. dollars
zipcode	INTEGER	Zipcode of the property's location

calendar

Basic information on the Airbnb listing calendar from 2007 – 2017.

~20 million rows & 5 columns. Size: ~55MB zipped, ~675MB unzipped. Source: [Airbnb](#).

listing_id	INTEGER	ID of the listed property
date	STRING	Date for which data is available. Format yyyy-mm-dd.
available	STRING	Whether the property is available at certain date – 't' for true and 'f' for false
price	FLOAT	The price of a one-night stay, in U.S. dollars
metropolitan	STRING	The metropolitan area the listed property is located in

demographics

Demographic data (population, age, education level, etc.) organized alphabetically by city and state, taken from 2011 – 2015.

33,120 rows & 26 columns. Size: ~0.5MB. Source: [U.S. Census](#).

zipcode	INTEGER	Zipcode of the region
age brackets (13 total)	INTEGER	Number of people in given age bracket
households	INTEGER	Total households (including singles)
Income brackets (9 total)	FLOAT	Percentage of households in given income bracket
median_household_income	INTEGER	Median household income
mean_household_income	INTEGER	Mean household income

econ_state

Economic data (GDP, per capita income, unemployment rate, etc.) for all 50 states and the District of Columbia, taken from 1980 – 2016.

51 rows & 519 columns. Size: ~0.2MB. Source: [U.S. Bureau of Economic Analysis](#).

state	STRING	State name
gdp (47 total)	INTEGER	Gross domestic product by quarter
per_capita_income (267 total)	INTEGER	Per capita income by quarter
unemployment_rate (204 total)	FLOAT	Unemployment rate by month

real_estate

Monthly data that represent real estate prices, organized alphabetically by city and state. Specifically, monthly values from the Zillow Home Value Index (ZHVI) and the Zillow Rent Index (ZRI) for all homes (single-family residence & condo/co-op).

29,111 rows & 261 columns. Size: ~10MB zipped, ~40MB unzipped. Source: [Zillow](#).

type	STRING	Real estate value type – ‘ZHVI’ or ‘ZRI’
zipcode	INTEGER	Zipcode of the region
city	STRING	City that region is located in
state	STRING	State that region is located in
metro	STRING	Metropolitan area that region is located in
county	STRING	County that region is located in
size_rank	INTEGER	Rank of size of region (smaller number means larger region)
ZHVI or ZRI	FLOAT	Measured from Apr. 1996 – Jun. 2017

venues

Important details about hundreds of thousands of venues in the metropolitan areas included in *listings*.

267,958 rows & 7 columns. Size: ~8MB zipped, ~30MB unzipped. Source: [Google Places](#).

city	STRING	Name of the city the business is located in
id	STRING	Unique ID of the business assigned by Google Places
latitude	FLOAT	Latitude coordinate of the business’s location
longitude	FLOAT	Longitude coordinate of the business’s location
name	STRING	Name of the business
rating	FLOAT	Customer rating of the business
types	STRING	List of venue types suitable for describing the business, comma-delimited

