Nashville AirBnB Listings

[ECON 5753] — *University of Arkansas*

Inside AirBnB is an online website that scrapes airbnb data and posts datasets online. It contains information about the listing as well as reviews received. I downloaded the current "snapshot" for Nashville, Tennessee.

A full codebook is posted online.

variable	description
name	Name of listing
description	Descrption
host_since	When the host signed-up on the website
host_response_time	String description of how long it takes the host to respond
host_response_rate	The percent of the time that the host replies to a message (100 = 100%)
host_is_superhost	=1 if the host is a 'superhost'
host_neighbourhood	The neighborhood of the home (categorical)
room_type	What kind of room the listing is (e.g. entire home vs private room)
price	The cost per night of the listing
bedrooms	The number of bedrooms
beds	The number of beds
bathrooms	The number of bathrooms
accommodates	The number of people allowed to stay at the listing
has_availability	=1 if the listing has any availability
availability_30	The number of days available in the next month
number_of_reviews	The number of reviews the listing has received

variable	description
review_scores_rating	Average review score for 'rating'
review_scores_cleanliness	Average review score for 'cleanliness'
review_scores_accuracy	Average review score for 'accuracy'
review_scores_checkin	Average review score for 'checkin'
review_scores_location	Average review score for 'location'
review_scores_communication	Average review score for 'communication'
calculated_host_listings_count	The (estimated) number of listings the host rungs

Preview of data:

```
Rows: 8,994
Columns: 23
$ name                   <chr> "Nashville Charm", "Close to Vanderbilt~
$ description            <chr> "30 day plus rental - book for one mont~
$ host_since             <date> 2009-04-03, 2010-07-18, 2011-07-12, 20~
$ host_response_time     <chr> NA, "within an hour", "within an hour",~
$ host_response_rate     <dbl> NA, 100, 100, 100, 100, 100, 100, 100, ~
$ host_is_superhost      <lgl> FALSE, TRUE, TRUE, TRUE, TRUE, TRUE, TR~
$ host_neighbourhood     <chr> NA, NA, "South Miami Heights", NA, NA, ~
$ room_type              <chr> "Private room", "Private room", "Privat~
$ price                  <dbl> 43, 70, 43, 107, 39, 34, 114, 34, 97, 1~
$ bedrooms               <dbl> 1, 1, 1, 2, 1, 2, 1, 1, 1, 1, 1, 2, NA,~
$ beds                   <dbl> 1, 1, 1, 2, 2, 2, 1, 3, 1, 1, 1, 2, NA,~
$ bathrooms              <dbl> 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,~
$ accommodates           <dbl> 1, 2, 1, 2, 2, 1, 2, 2, 2, 2, 2, 4, 4, ~
$ has_availability       <lgl> TRUE, TRUE, TRUE, TRUE, TRUE, TRUE, TRU~
$ availability_30        <dbl> 0, 7, 28, 10, 0, 1, 6, 19, 21, 6, 10, 7~
$ number_of_reviews      <dbl> 670, 478, 2, 731, 97, 76, 1391, 81, 336~
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$ review_scores_rating          <dbl> 4.95, 4.94, 4.50, 4.92, 4.78, 4.71, 4.9~
$ review_scores_cleanliness     <dbl> 4.96, 4.92, 3.50, 4.83, 4.41, 4.27, 4.9~
$ review_scores_accuracy        <dbl> 4.94, 4.94, 5.00, 4.90, 4.81, 4.75, 4.9~
$ review_scores_checkin         <dbl> 4.97, 4.98, 5.00, 4.98, 4.92, 4.83, 4.9~
$ review_scores_location        <dbl> 4.92, 4.93, 5.00, 4.97, 4.74, 4.47, 4.6~
$ review_scores_communication   <dbl> 4.96, 4.97, 5.00, 4.99, 4.91, 4.78, 4.9~
$ calculated_host_listings_count <dbl> 1, 1, 9, 1, 6, 6, 7, 6, 1, 7, 7, 7, 1, ~
```