Introduction to the data

While AirBnB doesn't release any data on the listings in their marketplace, a separate group named [Inside AirBnB](http://insideairbnb.com/get-the-data.html) has extracted data on a sample of the listings for many of the major cities on the website. In this post, we'll be working with their dataset from October 3, 2015 on the listings from Washington, D.C., the capital of the United States. [Here's a direct link to that dataset](http://data.insideairbnb.com/united-states/dc/washington-dc/2015-10-03/data/listings.csv.gz). Each row in the dataset is a specific listing that's available for renting on AirBnB in the Washington, D.C. area

To make the dataset less cumbersome to work with, we've removed many of the columns in the original dataset and renamed the file to dc\_airbnb.csv. Here are the columns we kept:

* host\_response\_rate: the response rate of the host
* host\_acceptance\_rate: number of requests to the host that convert to rentals
* host\_listings\_count: number of other listings the host has
* latitude: latitude dimension of the geographic coordinates
* longitude: longitude part of the coordinates
* city: the city the living space resides
* zipcode: the zip code the living space resides
* state: the state the living space resides
* accommodates: the number of guests the rental can accommodate
* room\_type: the type of living space (Private room, Shared room or Entire home/apt
* bedrooms: number of bedrooms included in the rental
* bathrooms: number of bathrooms included in the rental
* beds: number of beds included in the rental
* price: nightly price for the rental
* cleaning\_fee: additional fee used for cleaning the living space after the guest leaves
* security\_deposit: refundable security deposit, in case of damages
* minimum\_nights: minimum number of nights a guest can stay for the rental
* maximum\_nights: maximum number of nights a guest can stay for the rental
* number\_of\_reviews: number of reviews that previous guests have left

Let's read the dataset into Pandas and become more familiar with it.