### **STEPS TO GENERATE THE OUTPUT**

Step 1: Ensure that you have the following files in one single folder:

* *Capital One - Data Challenge\_Zillow&AirBnb.ipynb*
* “listings.csv.gz” **(Save this file as a *.csv* file)**
* "Zip\_Zhvi\_2bedroom.csv

Step 2: Set Working Directory to the location that contains all the files above mentioned using the folder\_path variable under ‘Parameter setting’

Step 3: Its assumed that the packages required for the analysis are pre-installed in the system. If not, please install these packages by running the install packages cell in the notebook. If these packages are being installed for the first time the kernel needs to be restarted and the cells should be run again

Step 4: Update/Change the parameters in parameter settings cell, depending on what analysis needs to be done.

### **Steps to reuse the codes:**

The code is reproducible and can be used to analyze profitable Airbnb listings :

* For different cities
* For different type of property (1-bedroom, 2-bedroom etc.)
* For different occupancy
* For different availability values etc.

by changing the parameters in the parameter settings cell