In [1]: import pandas as pd In [3]: df = pd.read_csv('Airbnb_NYC.csv') In [4]: df Out[4]: Boroughs Latitude Longitude Prop_Type Min_Nights Host_Listing_Cnt Days_Available Review_Cnt Reviews30d Price 0 0.27 60.0 Bronx 40.80011 -73.91330 PrivateRoom 21.0 2.0 Bronx 40.80024 -73.91422 PrivateRoom 3.0 1.0 0 59 2.93 49.0 2 Bronx 40.80074 -73.91574 PrivateRoom 1.0 354 3 0.87 50.0 3.0 Bronx 40.80091 -73.91449 PrivateRoom 21.0 2.0 117 0.36 71.0 12 4 3.0 0 Bronx 40.80143 -73.91353 EntireHome 2.0 3.50 115.0 **38728** Staten Island 40.64641 -74.08502 EntireHome 2.0 1.0 106 58 4.73 130.0 **38729** Staten Island 40.64682 -74.08734 PrivateRoom 20.0 1.0 89 1.05 43.0 **38730** Staten Island 40.64730 -74.08408 PrivateRoom 30.0 4.0 0 85 1.35 105.0 **38731** Staten Island 40.64762 -74.08682 EntireHome 1.0 232 1.88 135.0 3.0 **38732** Staten Island 40.64779 -74.08460 EntireHome 1.0 250 108 2.32 140.0 1.0 38733 rows × 10 columns In [7]: percentile_99 = df.Price.quantile(0.99) percentile_99 Out[7]: 650.0 In [9]: df[df.Price>percentile_99] Boroughs Latitude Longitude Prop_Type Min_Nights Host_Listing_Cnt Days_Available Review_Cnt Reviews30d Price 418 Bronx 40.84378 -73.84469 EntireHome 670.0 0.29 Bronx 40.88515 -73.91411 SharedRoom 2.0 3.0 269 800.0 0.04 **916** Brooklyn 40.57645 -74.01065 EntireHome 2.0 1.0 6 0.23 1485.0 1001 Brooklyn 40.58599 -73.92762 EntireHome 1.0 1.0 0.02 2000.0 2 **1726** Brooklyn 40.63573 -73.96433 EntireHome 1.0 37 5.0 0.28 745.0 **37154** Queens 40.75836 -73.87631 PrivateRoom 1.0 1.0 126 700.0 0.02 **37278** Queens 40.76001 -73.92313 PrivateRoom 1.0 154 1 0.32 700.0 1.0 Queens 40.76364 -73.82292 EntireHome 1.0 6.0 363 10 3.53 999.0 Queens 40.76626 -73.93054 SharedRoom 3.0 2.0 90 5 0.13 1800.0 Queens 40.76810 -73.91651 PrivateRoom 100.0 1.0 0.04 10000.0 352 rows × 10 columns In [20]: df1=df[df.Price<=percentile_99]</pre> df1 Boroughs Latitude Longitude Prop_Type Min_Nights Host_Listing_Cnt Days_Available Review_Cnt Reviews30d Price 0 Bronx 40.80011 -73.91330 PrivateRoom 21.0 2.0 19 0.27 60.0 Bronx 40.80024 -73.91422 PrivateRoom 3.0 1.0 2.93 49.0 2 Bronx 40.80074 -73.91574 PrivateRoom 3.0 1.0 354 3 0.87 50.0 Bronx 40.80091 -73.91449 PrivateRoom 2.0 117 21.0 18 0.36 71.0 3.0 0 12 4 Bronx 40.80143 -73.91353 EntireHome 2.0 3.50 115.0 **38728** Staten Island 40.64641 -74.08502 EntireHome 2.0 106 58 4.73 130.0 1.0 1.05 43.0 **38729** Staten Island 40.64682 -74.08734 PrivateRoom 20.0 1.0 89 **38730** Staten Island 40.64730 -74.08408 PrivateRoom 85 30.0 4.0 0 1.35 105.0 **38731** Staten Island 40.64762 -74.08682 EntireHome 232 1.0 1.88 135.0 **38732** Staten Island 40.64779 -74.08460 EntireHome 1.0 250 108 1.0 2.32 140.0 38372 rows × 10 columns In [21]: df.Price.mean()

Out[21]: 140.87924801156905

In [22]: df_new = df.fillna(df.Price.mean())

Out[22]: Boroughs Latitude Longitude Prop_Type Min_Nights Host_Listing_Cnt Days_Available Review_Cnt Reviews30d Price Bronx 40.80011 -73.91330 PrivateRoom 21.0 2.0 291 0.27 60.0 Bronx 40.80024 -73.91422 PrivateRoom 3.0 1.0 59 2.93 49.0 2 1.0 354 Bronx 40.80074 -73.91574 PrivateRoom 3.0 3 0.87 50.0 Bronx 40.80091 -73.91449 PrivateRoom 21.0 2.0 117 18 0.36 71.0 4 0 12 Bronx 40.80143 -73.91353 EntireHome 2.0 3.0 3.50 115.0 58 4.73 130.0 **38728** Staten Island 40.64641 -74.08502 EntireHome 2.0 1.0 106 **38729** Staten Island 40.64682 -74.08734 PrivateRoom 20.0 89 1.0 1.05 43.0 **38730** Staten Island 40.64730 -74.08408 PrivateRoom 30.0 4.0 0 1.35 105.0 **38731** Staten Island 40.64762 -74.08682 EntireHome 232 1.0 1.88 135.0 3.0 **38732** Staten Island 40.64779 -74.08460 EntireHome 1.0 1.0 250 108 2.32 140.0

38733 rows × 10 columns

In [23]: df_new = df.fillna(df.Price.median()) df_new

Out[23]: Boroughs Latitude Longitude Prop_Type Min_Nights Host_Listing_Cnt Days_Available Review_Cnt Reviews30d Price 21.0 291 0.27 60.0 Bronx 40.80011 -73.91330 PrivateRoom 2.0 Bronx 40.80024 -73.91422 PrivateRoom 1.0 0 2.93 49.0 3.0 354 0.87 50.0 2 Bronx 40.80074 -73.91574 PrivateRoom 3.0 1.0 3 Bronx 40.80091 -73.91449 PrivateRoom 2.0 117 0.36 71.0 21.0 Bronx 40.80143 -73.91353 EntireHome 4 2.0 3.0 0 12 3.50 115.0 **38728** Staten Island 40.64641 -74.08502 EntireHome 4.73 130.0 2.0 1.0 106 **38729** Staten Island 40.64682 -74.08734 PrivateRoom 1.05 43.0 20.0 1.0 89 **38730** Staten Island 40.64730 -74.08408 PrivateRoom 0 1.35 105.0 30.0 4.0 85 **38731** Staten Island 40.64762 -74.08682 EntireHome 3.0 1.0 232 1.88 135.0 250 108 **38732** Staten Island 40.64779 -74.08460 EntireHome 1.0 1.0 2.32 140.0