

Analayzing Airbnb Accommodation Dataset

1. Dataframe: listing each room_id, host_id with total score in two sorting ways

- 1) index = (**room_id, host_id**)
- 2) column = **total_score: overall_satisfaction + reviews * 0.378**
- 3) output = **1.** sorted total_score in asecending **2.** sorted total_score in desecending
= sorted_total_score_asecend.csv, sorted_total_score_descend.csv

2. Dataframe: listing average of factors by grouped neighborhood

- 1) index = (**neighborhood**)
- 2) column = **avg of reviews | avg of overall_satisfaction | avg of price | max of reviews | min of reviews | max of price | min of price**
- 3) output = **1.** sorted neighborhood in asecending
= sorted_neighborhood_factors.csv

3. Dataframe: listing average of factors by grouped ranged prices

<u>PRICE</u>	accommodates average	accommodates median	bedrooms average	bedrooms median	reviews average	reviews median	neighbor list	length
0 -100								
100 - 200								
200 - 300								
300 - 400								
400 - 500								
500 - 1000								
1000 - 5000								

index = ranged prices

output = sort_ranged_price.csv

4. Graph: draw each graph by the following lists

- 1) line plot x axis = ranged price | y axis = accommoates average
- 2) line plot x axis = ranged price | y axis = bedrooms average
- 3) line **subplot** x axis = neighborhood
 - | y axis = reviews average
 - | y axis = overall satisfaction average
 - | y axis = average price average

