

Python for Data Analysis

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Week#6 – Practicals

1.

Create three different DataFrames from Week06_listing.csv file.

The first DataFrame will be called **df1** and it will have columns as

[id, name, host_id, host_name, neighbourhood_group, neighbourhood]

The second DataFrame will be called **df2** and it will have columns

[id, latitude, longitude, room_type, price, minimum_nights, number_of_reviews, last_review, reviews_per_month, calculated_host_listings_count, availability_365]

The third DataFrame will be called **df3** and it will have only data position between 100 and 200 of **df2**

2.

Retrieve records from **df1** index position between 3 and 200

Update index of **df2** to host_name

Retrieve data from **df2** which has index name = *Tanya*

3.

Filter data in **df1** if host_name = *Herman*

Filter data in **df2** if minimum_nights is between 3 and 7

4.

Create summary statistics (mean, maximum, minimum, sum) for each column of DataFrame **df2**

5.

Check if there are any missing values in DataFrames?

6.

Apply merging for **df1** and **df3**

7.

Apply merging for **df2** and **df3**