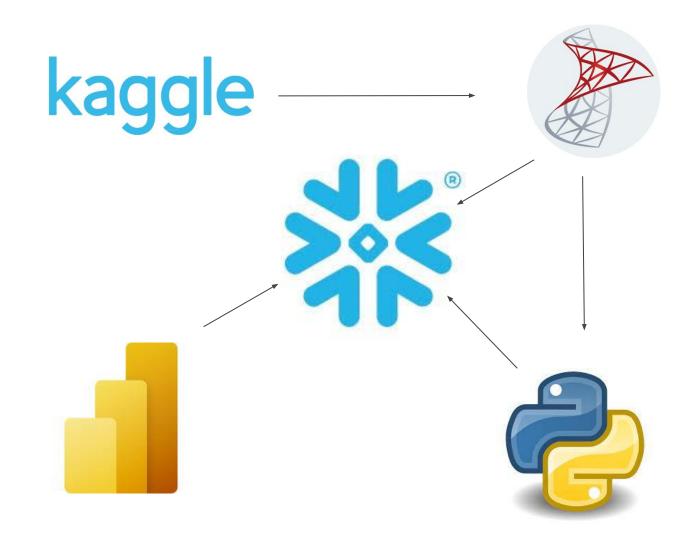


- Bawkat Mazengya
- Gal Hadad
- Ziva Einav Grushka

Process

- Download data
- Wearhouse
- Analyze
- Dashboards
- Recommendations



EDA

```
select COLUMN NAME from INFORMATION SCHEMA.COLUMNS
      where TABLE NAME= 'JUNDATYSTPROJECT'
                                     COLUMN_NAME
   ¥ 4
                                36
                                     beds
                                                              --- list records
Results Messages
                                37
                                     amenities
                                                              select
                                38
  COLUMN_NAME
                                     minimum_nights
  id
                                                              count (id)
                                40
                                     maximum_nights
  listing url
                                     minimum minimum nights
                                                              from JUNDATYSTPROJECT
  scrape_id
                                     maximum minimum nights
                                                              -- 37,713
  last scraped
                                     minimum_maximum_nights
                                     maximum maximum nights
  name
                                     minimum_nights_avg_ntm
  description
                                                              --hosts
                                     maximum_nights_avg_ntm
  neighborhood overview
                                     has_availability
                                                              select
  picture url
                                     availability 30
  host id
                                                              count (distinct host id)
                                     availability 60
  host url
                                     availability 90
                                                              from JUNDATYSTPROJECT
                                51
                                     availability 365
  host_name
                                                              --25,912 hosts
                                52
                                     calendar_last_scraped
  host since
                                     number_of_reviews
  host_location
                                     number_of_reviews_ltm
  host_about
                                     number of reviews 130d
                                                              --num lists not available
  host response time
                                     first_review
                                                              select count(id)num id
  host response rate
                                57
                                     last_review
                                     review scores rating
  host acceptance rate
                                                              from JUNDATYSTPROJECT
                                59
                                     review_scores_accuracy
  host is superhost
                                                              where availability 365 = 0
                                     review_scores_cleanliness
  host thumbnail url
                                61
                                     review_scores_checkin
  host_picture_url
                                     review scores communication
  host_neighbourhood
                                63
                                     review_scores_location
  host total listings count
                                64
                                     review_scores_value
                                65
                                     license
  host varifications
                                     instant_bookable
                                67
                                     calculated_host_listings_count
                                     calculated_host_listings_count_entire_homes
                                     calculated host listings count private rooms
                                     calculated_host_listings_count_shared_rooms
```

```
import snowflake.connector
except ImportError:
  # install the required packages and dependencies
  !pip install --upgrade snowflake-connector-python
  !pip install --upgrade --force-reinstall pandas
  !pip install --upgrade --force-reinstall pyarrow
   !pip install --upgrade --force-reinstall snowflake-connector-python
  !pip install --upgrade --force-reinstall sqlalchemy
  !pip install --upgrade --force-reinstall snowflake-sqlalchemy
  print('Stopping RUNTIME! Please run again.')
  # restart runtime (required for using the installed packages and dependencies)
  # note: will crash the session so the next step should be executed manually after session restart
  import os
  os.kill(os.getpid(), 9)
Jsers\User\anaconda3\lib\site-packages\snowflake\connector\options.py:96: UserWarning: You have an incomp
errow' installed (7.0.0), please install a version that adheres to: 'pyarrow<6.1.0,>=6.0.0; extra == "par
rn_incompatible dep(
import math
import datetime
import numpy as np
import pandas as pd
import snowflake.connector
from snowflake.sqlalchemy import URL
from sqlalchemy import create engine
engine = create_engine(URL(
    account = 'hz32324.uae-north.azure',
    user = 'BAWKAT',
    password = 'Bawkat123456',
    database = 'TST_DB',
    schema = 'PUBLIC',
    warehouse = 'COMPUTE WH'#,
    #role = customer name
```

37.713K

Listings

79

Property Types

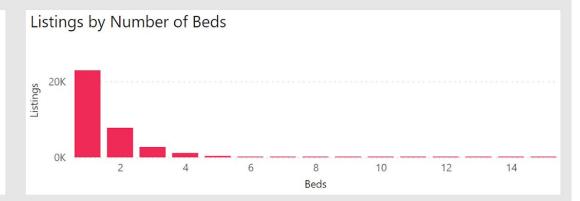
14.732K

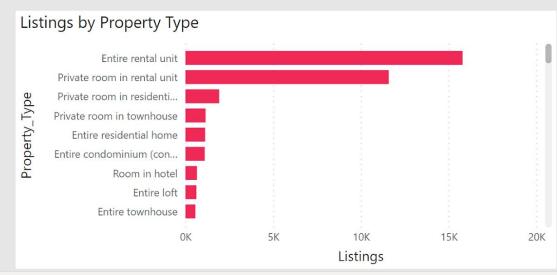
Listings Fully Booked

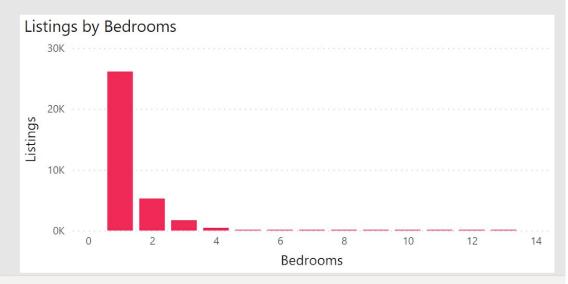
/

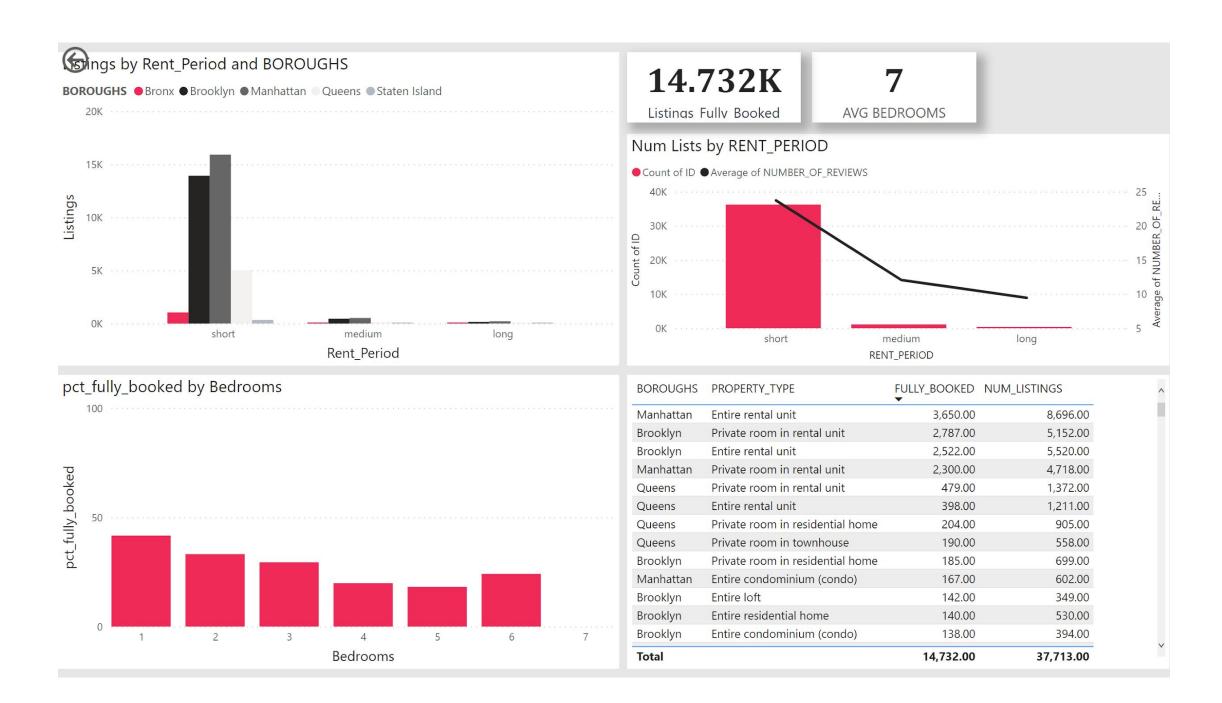
Average of BEDROOMS

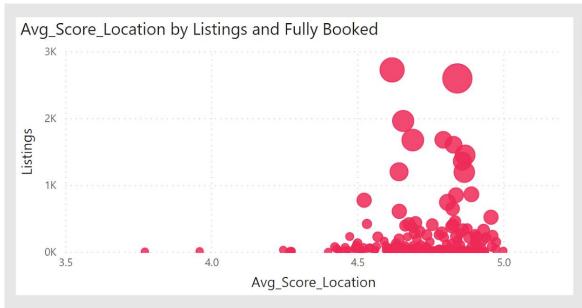
Total	37.713.00			100.00
Staten Island	339.00	100.00	37,713.00	0.90
Bronx	1,059.00	99.10	37,374.00	2.81
Queens	5,178.00	96.29	36,315.00	13.73
Brooklyn	14,512.00	82.56	31,137.00	38.48
Manhattan	16,625.00	44.08	16,625.00	44.08
BOROUGH	NUM_LISTS	PCT_RUNNING_TOTAL	SUM_RUNNING_TOTAL	LIST_PERCENT









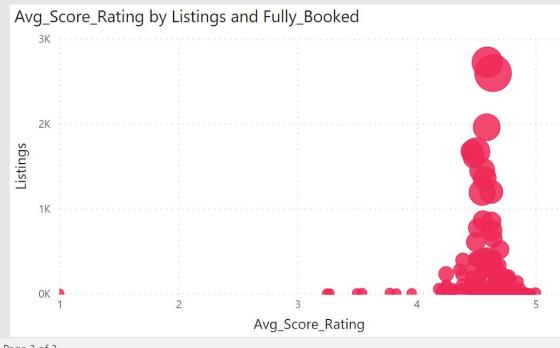


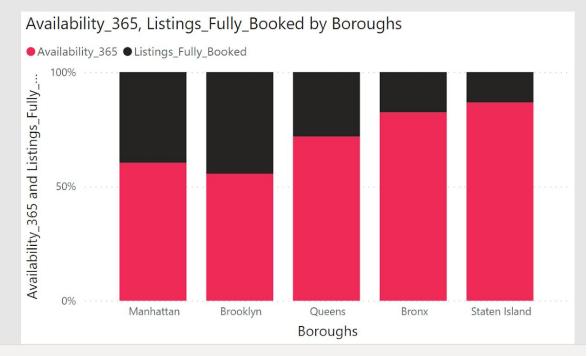
70.49Ava Listinas Fully Booked

4.61Avg Score Rating

Ava Score Location

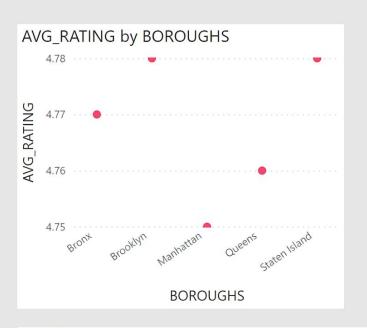
4.73

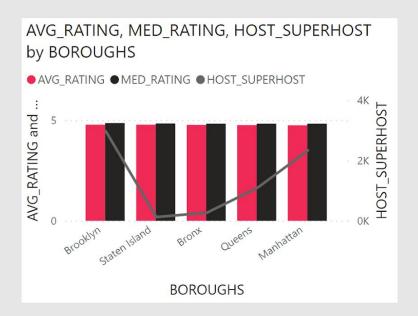




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Listings with the highest total rating (between 4 and 5), broken-down by boroughs





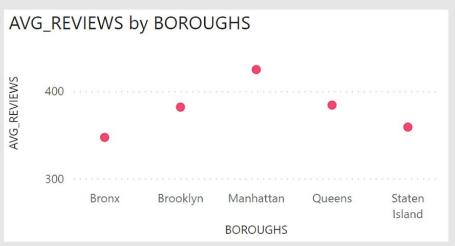
BOROUGHS	NUM_LISTINGS
Bronx	770.00
Brooklyn	10,835.00
Manhattan	11,114.00
Queens	3,726.00
Staten Island	279.00
Total	26,724.00

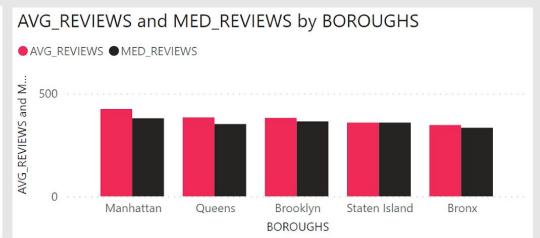


Listings without a rating score



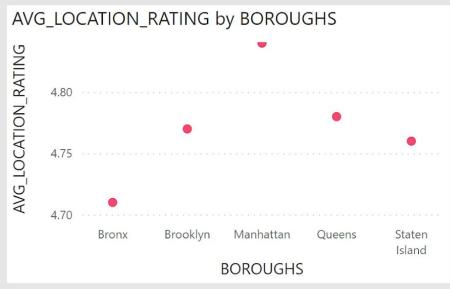
Listings with the most number of reviews (300 and above), broken-down by boroughs

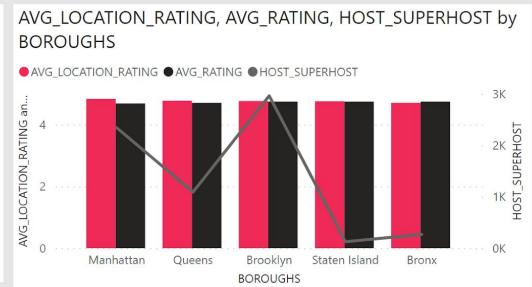




BOROUGHS	NUM_LISTINGS
Bronx	7.00
Brooklyn	65.00
Manhattan	67.00
Queens	41.00
Staten Island	1.00
Total	181.00

Listings with the highest location rating (between 4 and 5), broken-down by

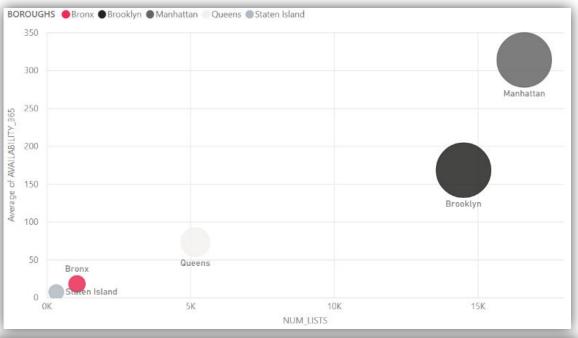




BOROUGHS	NUM_LISTINGS
Staten Island	284.00
Queens	3,796.00
Manhattan	11,440.00
Brooklyn	10,895.00
Bronx	763.00
Total	27,178.00

Distribution of properties by neighborhoods

Bronx	
1,059.00	14.53
NUM_LISTS	Average of AVAILABILITY_30
Brooklyn	
14,512.00	119.52
NUM_LISTS	Average of AVAILABILITY_30
Manhattan	
16,625.00	220.06
NUM_LISTS	Average of AVAILABILITY_30
Queens	
5,178.00	58.22
NUM_LISTS	Average of AVAILABILITY_30
Staten Island	
339.00	5.21
NUM_LISTS	Average of AVAILABILITY_30





Neighborhoods

Number of listings

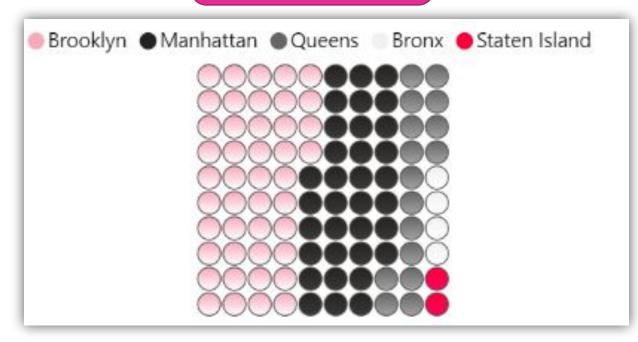
Average price for listing

5

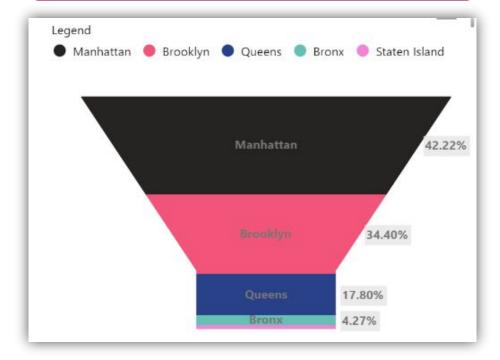
37.71K

125.40

Superhost classification by neighborhood



Monthly availability by neighborhood



Thank You!

