

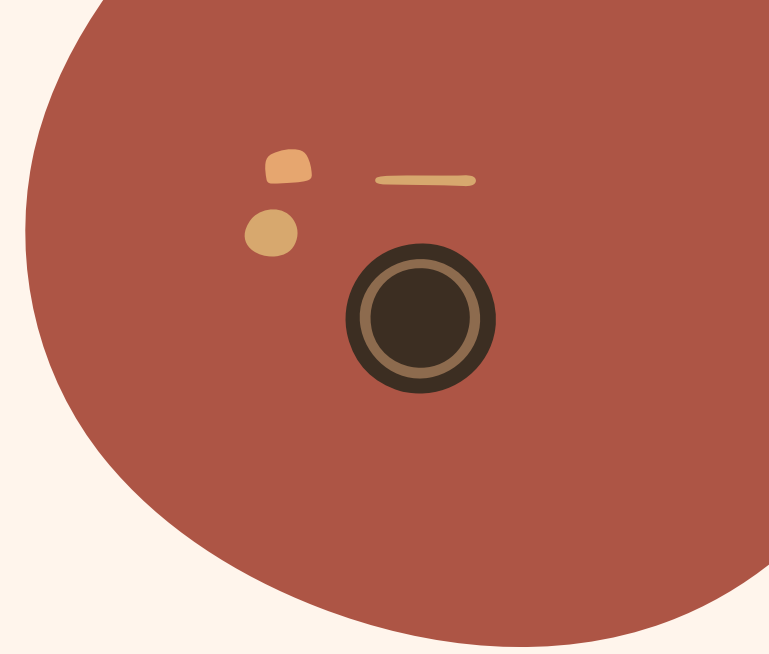


# HOTEL RECOMMENDATION

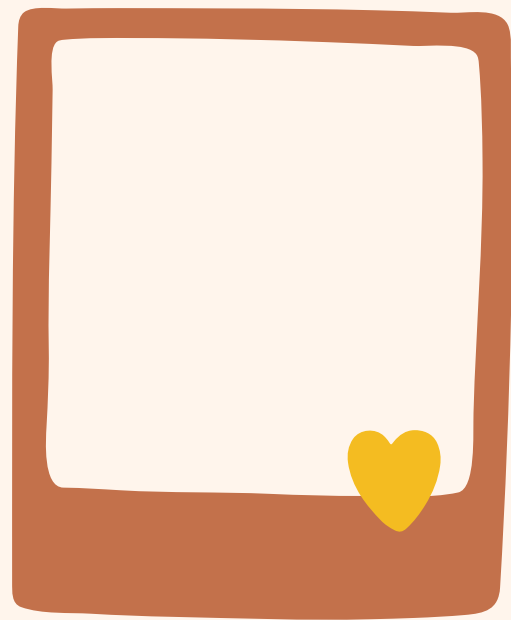
DSCO FINAL

START

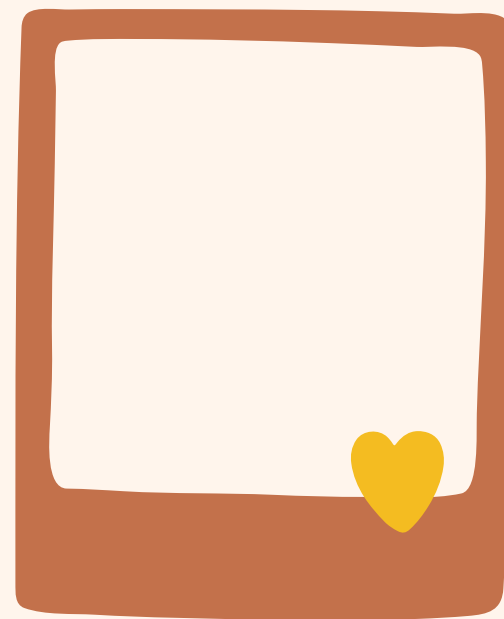




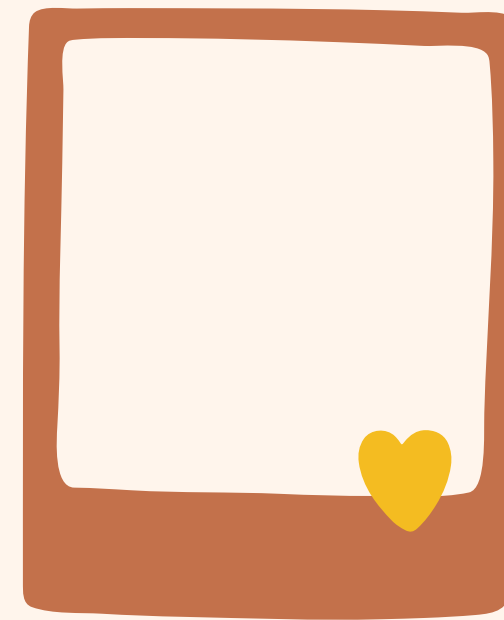
# Our Team



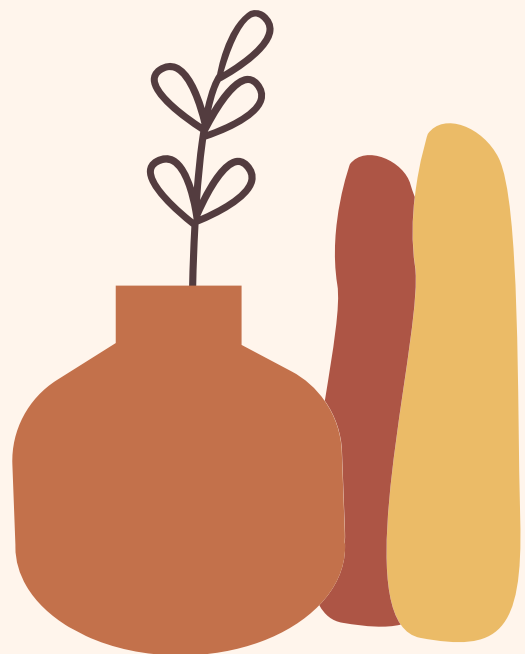
Steve Marcello  
Liem



Davin Edbert  
Santoso Halim



Brandon Ritchie  
Yang



# Problem Understanding

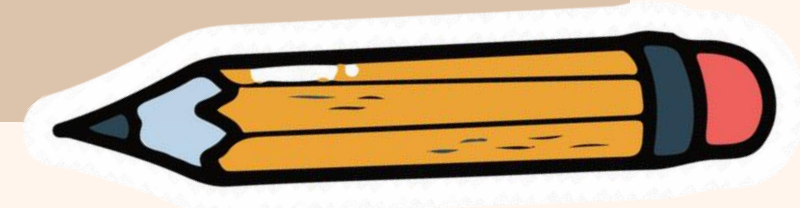


**Problem:**

**Hard to find the best hotel according to someone's  
needs and preferences on a vacation**

**Goal:**

**Hotel Recommendation System**



# Data Understanding

hotel\_price\_min\_max - Formula

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 9094 entries, 0 to 9093
Data columns (total 6 columns):
#   Column      Non-Null Count  Dtype
---  -
0   hotelcode   9094 non-null   int64
1   min         9094 non-null   float64
2   max         9094 non-null   float64
3   Diff_Min    9094 non-null   float64
4   Diff_Max    9094 non-null   float64
5   Score       9094 non-null   float64
dtypes: float64(5), int64(1)
memory usage: 426.4 KB
```

Hotel\_details  
(NULL Values)

```
id           0
hotelid      0
hotelname    0
address      5093
city         0
country      0
zipcode      24562
propertytype 0
starrating   0
latitude     0
longitude    0
Source       0
url          111
curr         0
dtype: int64
```

# Data Understanding

hotel\_RoomPrice  
(NULL Values)

id	0
refid	0
hotelcode	0
websitecode	0
dtcollected	0
ratedate	0
los	0
guests	0
roomtype	0
onsiterate	0
netrate	0
currency	0
ratedescription	4819
ratetype	4819
sourceurl	0
roomamenities	4819
maxoccupancy	0
ispromo	0

closed	0
discount	0
promoname	162696
status_code	0
taxstatus	0
taxtype	8370
taxamount	0
proxyused	0
israteperstay	0
mealinclusiontype	68486
hotelblock	161054
input_dtcollected	0
dtype: int64	

# Data Understanding

```
In [40]: columns_to_select = ['id', 'hotelcode', 'roomamenities', 'roomtype', 'ratedescription']
h_rprice_check = h_rprice[columns_to_select]

# Now df4_check contains only the specified columns from df4
h_rprice_check.head()
```

```
Out[40]:
```

	id	hotelcode	roomamenities	roomtype	ratedescription
0	50677497	634876	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	Double Room	Room size: 15 m²/161 ft², Shower, 1 king bed
1	50672149	8328096	Air conditioning; ;Closet; ;Fireplace; ;Free W...	Vacation Home	Shower, Kitchenette, 2 bedrooms, 1 double bed ...
2	50643430	8323442	Air conditioning; ;Closet; ;Dishwasher; ;Firep...	Vacation Home	Shower, Kitchenette, 2 bedrooms, 1 double bed ...
3	50650317	7975	Air conditioning; ;Clothes rack; ;Coffee/tea m...	Standard Triple Room	Room size: 20 m²/215 ft², Shower, 3 single beds
4	50650318	7975	Air conditioning; ;Clothes rack; ;Coffee/tea m...	Standard Triple Room	Room size: 20 m²/215 ft², Shower, 3 single beds

```
In [41]: hr_att.head()
```

```
Out[41]:
```

	id	hotelcode	roomamenities	roomtype	ratedescription
0	50677497	634876	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	Double Room	Room size: 15 m²/161 ft², Shower, 1 king bed
1	50672149	8328096	Air conditioning; ;Closet; ;Fireplace; ;Free W...	Vacation Home	Shower, Kitchenette, 2 bedrooms, 1 double bed ...
2	50643430	8323442	Air conditioning; ;Closet; ;Dishwasher; ;Firep...	Vacation Home	Shower, Kitchenette, 2 bedrooms, 1 double bed ...
3	50650317	7975	Air conditioning; ;Clothes rack; ;Coffee/tea m...	Standard Triple Room	Room size: 20 m²/215 ft², Shower, 3 single beds
4	50650318	7975	Air conditioning; ;Clothes rack; ;Coffee/tea m...	Standard Triple Room	Room size: 20 m²/215 ft², Shower, 3 single beds

```
In [43]: are_equal = h_rprice_check.equals(hr_att)

if are_equal:
    print("DataFrames a and b are equal.")
else:
    print("DataFrames a and b are not equal.")
```

DataFrames a and b are equal.

# Data Understanding

hotel\_RoomPrice  
Hypothesis

```
[31] df_price_drop['closed'].value_counts()
```

N	161054
Y	4819

Name: closed, dtype: int64

---

```
[9] df_price['hotelblock'].value_counts()
```

Sold out	4819
----------	------

Name: hotelblock, dtype: int64

---

```
df_price_drop['onsiterate'].value_counts()
```

0.00	4819
95.03	971
104.54	970
89.75	901
79.19	787

```
df_price_drop['status_code'].value_counts()
```

200	161054
201	4819

Name: status\_code, dtype: int64

---

```
[27] df_price_drop['taxstatus'].value_counts()
```

2	161054
-1	4819

Name: taxstatus, dtype: int64

---

```
[28] df_price_drop['israteperstay'].value_counts()
```

Y	161054
N	4819

Name: israteperstay, dtype: int64

# Data Understanding

hotel\_RoomPrice  
Output

```
0s [▶] result_closed = df_price_drop[(df_price_drop['closed'] == 'Y') &
                                     (df_price_drop['ratetype'].isnull()) &
                                     (df_price_drop['ratedescription'].isnull()) &
                                     (df_price_drop['roomamenities'].isnull()) &
                                     (df_price_drop['hotelblock'] == 'Sold out') &
                                     (df_price_drop['israteperstay'] == 'N') &
                                     (df_price_drop['taxstatus'] == -1) &
                                     (df_price_drop['status_code'] == 201) &
                                     (df_price_drop['onsiterate'] == 0.00)]

count_closed = result_closed.shape[0]
print(f"Count Closed: {count_closed}")
```

➞ Count Closed: 4819



# Data Preprocessing

hotel_price_min_max - Formula	hotel_RoomPrice	hotel_RoomPrice	hotel_RoomPrice
Drop	Drop	Drop Null	Drop
Diff_Min	id	roomtype	id
Diff_Max	zipcode	roomamenities	refid
Score	latitude	ratedescription	websitecode
	longitude	n	los
	Source		guests
	url	Impute Null	currency
		promoname -> 'none'	dtcollected
		mealinclusiontype -> 'no meal'	input_dtcollected
		taxtype -> 'none'	ratedate
			sourceurl
			proxysused
			taxamount
			hotelblock



# Data Preprocessing

merged\_df

```
<class 'pandas.core.frame.DataFrame'>
Int64Index: 176121 entries, 0 to 176120
Data columns (total 26 columns):
#   Column                Non-Null Count  Dtype
---  -
0   hotelcode              176121 non-null int64
1   roomtype               176121 non-null object
2   onsiterate             176121 non-null float64
3   netrate                176121 non-null float64
4   ratedescription        176121 non-null object
5   ratetype               176121 non-null object
6   roomamenities          176121 non-null object
7   maxoccupancy           176121 non-null int64
8   ispromo                176121 non-null object
9   closed                 176121 non-null object
10  discount               176121 non-null float64
11  promoname              176121 non-null object
12  status_code            176121 non-null int64
```

```
13  taxstatus              176121 non-null int64
14  taxtype                176121 non-null object
15  israteperstay          176121 non-null object
16  mealinclusiontype       176121 non-null object
17  hotelname              176121 non-null object
18  address                176121 non-null object
19  city                   176121 non-null object
20  country                176121 non-null object
21  propertytype           176121 non-null object
22  starrating             176121 non-null int64
23  curr                   176121 non-null object
24  min                    176121 non-null float64
25  max                    176121 non-null float64
dtypes: float64(5), int64(5), object(16)
memory usage: 36.3+ MB
```

[102] merged\_df.head()

	hotelcode	roomtype	onsiterate	netrate	ratedescription	ratetype	roomamenities	maxoccupancy	ispromo	closed	...	mealinclusiontype	hotelname	address	city	country	propertytype	starrating	curr	min	max
0	634876	Double Room	82.36	87.84	Room size: 15 m²/161 ft², Shower, 1 king bed	Cancellation policy	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	1	Y	N	...	Free Breakfast	The Old Cider House	25 Castle Street	Nether Stowey	United Kingdom	Hotels	4	GBP	82.36	107.7
1	634876	Double Room	107.70	0.00	Room size: 15 m²/161 ft², Shower, 1 king bed	Cancellation policy	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	2	N	N	...	Free breakfast for {2}	The Old Cider House	25 Castle Street	Nether Stowey	United Kingdom	Hotels	4	GBP	82.36	107.7
2	634876	Deluxe Double Room with Shower	107.70	0.00	Room size: 17 m²/183 ft², Shower, 1 queen bed ...	Extra low price! (non-refundable)	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	2	N	N	...	Free breakfast for {2}	The Old Cider House	25 Castle Street	Nether Stowey	United Kingdom	Hotels	4	GBP	82.36	107.7
3	634876	Superior Double Room	107.70	0.00	Room size: 17 m²/183 ft², Shower, 1 double bed	Cancellation policy	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	2	N	N	...	Free breakfast for {2}	The Old Cider House	25 Castle Street	Nether Stowey	United Kingdom	Hotels	4	GBP	82.36	107.7
4	634876	Standard Double or Twin Room	82.36	87.84	Room size: 13 m²/140 ft², Shower, 1 queen bed ...	Extra low price! (non-refundable)	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	1	Y	N	...	Free Breakfast	The Old Cider House	25 Castle Street	Nether Stowey	United Kingdom	Hotels	4	GBP	82.36	107.7

5 rows × 26 columns

```
[96] merged_df['country'].value_counts()
```

```
United Kingdom    65750
France            24427
Spain             18177
Italy             16668
Germany           16016
Greece            3955
Poland            3704
Portugal          3650
Netherlands       3595
Switzerland       3036
Austria           2258
Czech Republic    2011
Belgium           1793
Romania           1426
Malta             1215
Hungary           1169
Sweden            1144
Denmark           861
Ireland           850
Bulgaria          770
Croatia           625
Cyprus            614
Latvia            505
Slovenia          497
Estonia           354
Finland           337
Lithuania         320
Slovakia          248
Luxembourg        146
Name: country, dtype: int64
```

```
[77] merged_df['roomtype'].value_counts()
```

```
Double Room      8724
Twin Room        4682
Single Room      4564
Standard Double Room 4450
Triple Room      3961
...
One-Bedroom Bungalow 1
Junior King Suite with Sofa Bed 1
Double Studio Apartment 1
Triple Studio Apartment 1
Double Room (Hotel, 3-star category) - Cat. A 1
Name: roomtype, Length: 8259, dtype: int64
```

E  
D  
A

```
[92] merged_df['mealinclusionstype'].value_counts()
```

```
No meal          69324
Free Breakfast   51020
Free breakfast for {2} 34868
Free breakfast for {3} 5883
Free Breakfast Dinner 4746
...
Free breakfast for {15} Lunch 1
Free breakfast for {14} Lunch 1
Free breakfast for {13} Lunch 1
Free breakfast for {12} Lunch 1
Free Breakfast Welcome drink 1
Name: mealinclusionstype, Length: 89, dtype: int64
```

```
[95] merged_df['city'].value_counts()
```

```
London          13077
Paris            7403
Rome             2322
Edinburgh       2286
Barcelona        2235
...
Veysonnaz        1
Lanlivery         1
Albinyana         1
Tulfes            1
Newcastleton      1
Name: city, Length: 4708, dtype: int64
```

# EDA

```
merged_df['propertytype'].value_counts()
```

Hotels	174105
Resorts	1391
Motels	193
Bed and breakfasts	185
Holiday parks	173
Inns	56
Campsites	18

Name: propertytype, dtype: int64

```
merged_df['hotelname'].value_counts()
```

Millennium Mayfair	352
Hilton Garden Inn Stuttgart NeckarPark Hotel	326
100 Queen's Gate Hotel London, Curio Collection by Hilton	305
Best Western L'Orangerie	281
Doubletree by Hilton Dartford Bridge	269
...	...
2 Middle Gabberwell	1
Ocean Blue	1
Magpie Cottage	1
Montgomery - Meadow Place Room	1
Hotel Clementin Old Town	1

Name: hotelname, Length: 9462, dtype: int64

```
merged_df['maxoccupancy'].value_counts()
```

1	91663
2	65793
3	11616
4	5515
5	734
6	540
8	117
7	66
10	30
9	14
12	11
13	5
14	4
11	4
15	3
17	2
24	2
16	1
20	1

Name: maxoccupancy, dtype: int64

```
[98] merged_df['starrating'].value_counts()
```

4	89134
3	74749
2	12238

Name: starrating, dtype: int64

# EDA

```
[78] merged_df['onsiterate'].value_counts()
```

```
104.54    1078
95.03     1056
89.75     983
79.19     864
93.98     801
...
190.10     1
203.09     1
215.17     1
189.21     1
903.57     1
Name: onsiterate, Length: 23794, dtype: int64
```

```
[ ] merged_df['curr'].value_counts()
```

```
EUR    104925
GBP     65750
CHF     3036
SEK     1144
DKK      861
PLN      237
RON      106
BGN       62
Name: curr, dtype: object
```

```
merged_df['roomamenities'].value_counts()
```

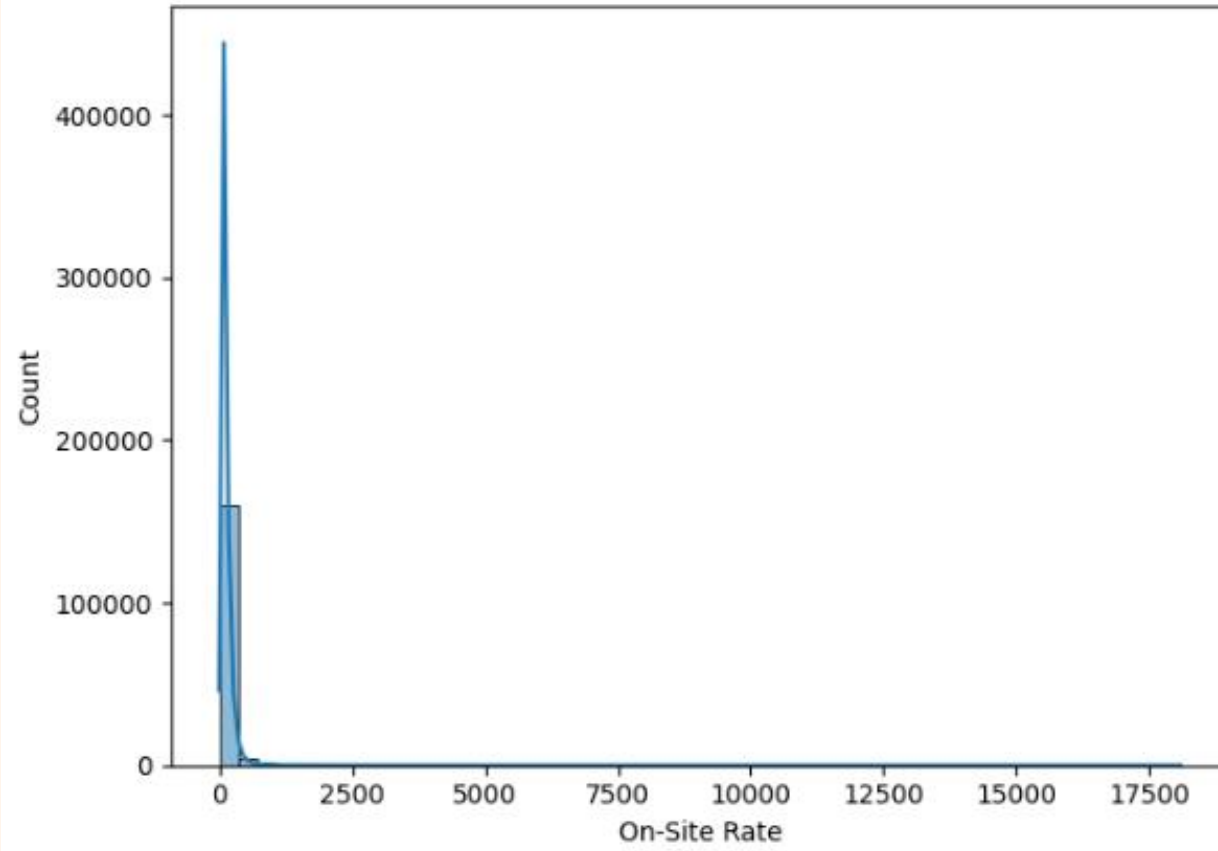
```
Air conditioning: ;Free Wi-Fi in all rooms!: ;In-room safe box: ;Shower: ;TV: ;
17442
Air conditioning: ;Free Wi-Fi in all rooms!: ;In-room safe box: ;Shower: ;Telephone: ;TV: ;
2831
Air conditioning: ;In-room safe box: ;Shower: ;TV: ;
692
Air conditioning: ;Closet: ;Free Wi-Fi in all rooms!: ;In-room safe box: ;Ironing facilities: ;Shower: ;TV: ;
454
Air conditioning: ;Coffee/tea maker: ;Free Wi-Fi in all rooms!: ;Hair dryer: ;In-room safe box: ;Satellite/cable channels: ;Shower: ;
253
...
Air conditioning: ;Carpeting: ;Closet: ;Desk: ;Free Wi-Fi in all rooms!: ;Hair dryer: ;Heating: ;In-room safe box: ;Seating area: ;Shower: ;Soundproofing: ;Telephone: ;TV [flat screen]: ;
1
Air conditioning: ;Bathrobes: ;Closet: ;Desk: ;Free Wi-Fi in all rooms!: ;Hair dryer: ;Heating: ;In-room safe box: ;iPod docking station: ;Mirror: ;Satellite/cable channels: ;Seating area: ;Slippers:
;Soundproofing: ;Telephone: ;Toiletries: ;Towels: ;Wooden/parqueted flooring: ;
1
Air conditioning: ;Carpeting: ;Closet: ;Free Wi-Fi in all rooms!: ;Hair dryer: ;Heating: ;In-room safe box: ;Seating area: ;Sofa: ;Soundproofing: ;Toiletries: ;TV [flat screen]: ;Wooden/parqueted flooring
;
1
Air conditioning: ;Alarm clock: ;Carpeting: ;Closet: ;Clothes dryer: ;Clothes rack: ;Free Wi-Fi in all rooms!: ;Heating: ;In-room safe box: ;Ironing facilities: ;Linens: ;Private entrance: ;Toiletries:
;Towels: ;TV: ;Wake-up service: ;
1
Air conditioning: ;Carpeting: ;Closet: ;Coffee/tea maker: ;Desk: ;Extra long bed: ;Free Wi-Fi in all rooms!: ;Hair dryer: ;Heating: ;In-room safe box: ;Ironing facilities: ;Laptop safe box: ;Linens:
;Satellite/cable channels: ;Smoke detector: ;Telephone: ;Toiletries: ;Towels: ;Wake-up service: ;
1
Name: roomamenities, Length: 22668, dtype: int64
```

```
merged_df['ratedescription'].value_counts()
```

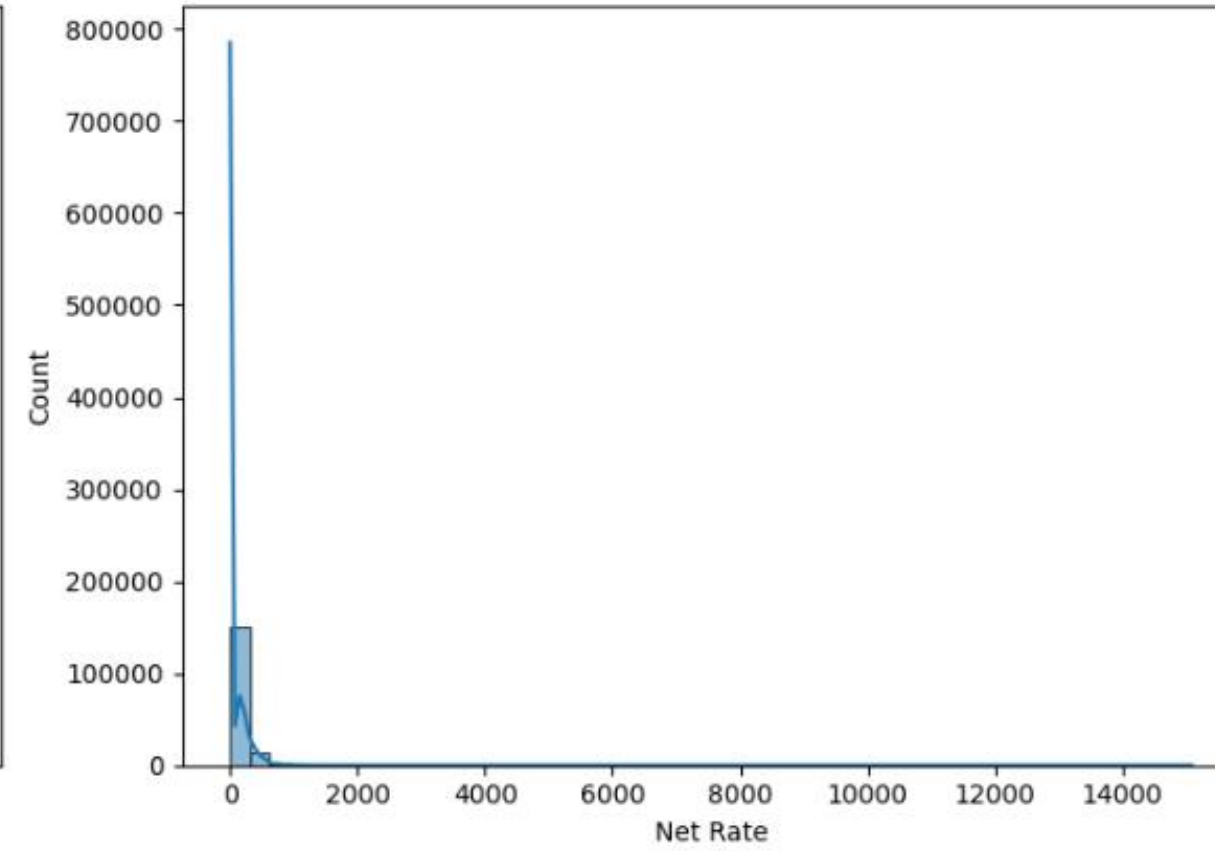
```
Free Wi-Fi, Extra low price! (non-refundable)    7212
Free Wi-Fi, Cancellation policy                  3720
Free Breakfast, Free Wi-Fi, Extra low price! (non-refundable)  1503
Free Breakfast, Free Wi-Fi, Cancellation policy  1497
Shower, 1 double bed                             1323
...
Room size: 12 m²/129 ft², Shower and bathtub, 1 double bed and 1 bunk bed    1
Free Breakfast, Pay at the hotel, Free Wi-Fi, Free cancellation before December 4, 2019    1
Room size: 34 m²/366 ft², Shower, 1 double bed and 1 sofa bed    1
Room size: 45 m²/484 ft², 2 single beds and 2 sofa beds    1
Room size: 15 m²/161 ft², Balcony/terrace, 2 single beds    1
Name: ratedescription, Length: 13944, dtype: int64
```

# EDA

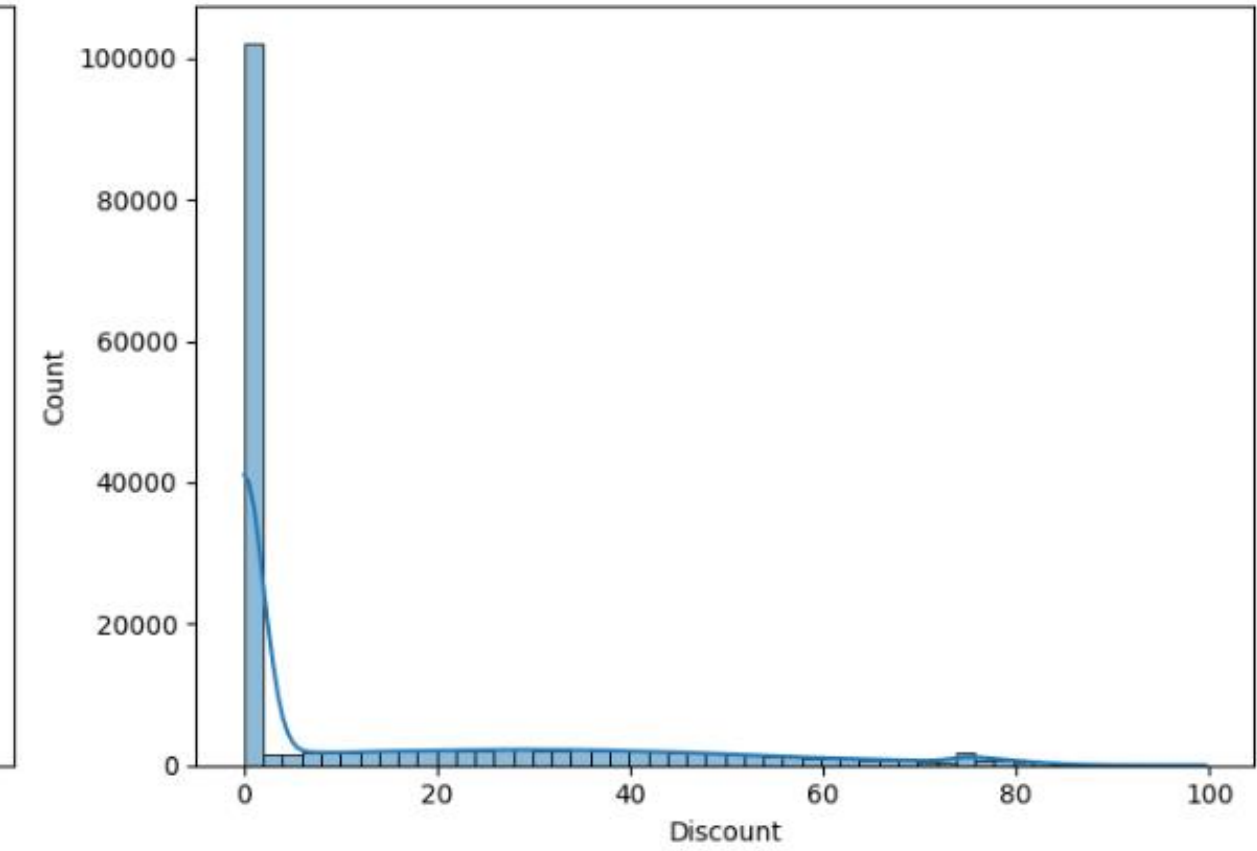
Distribution of On-Site Rates



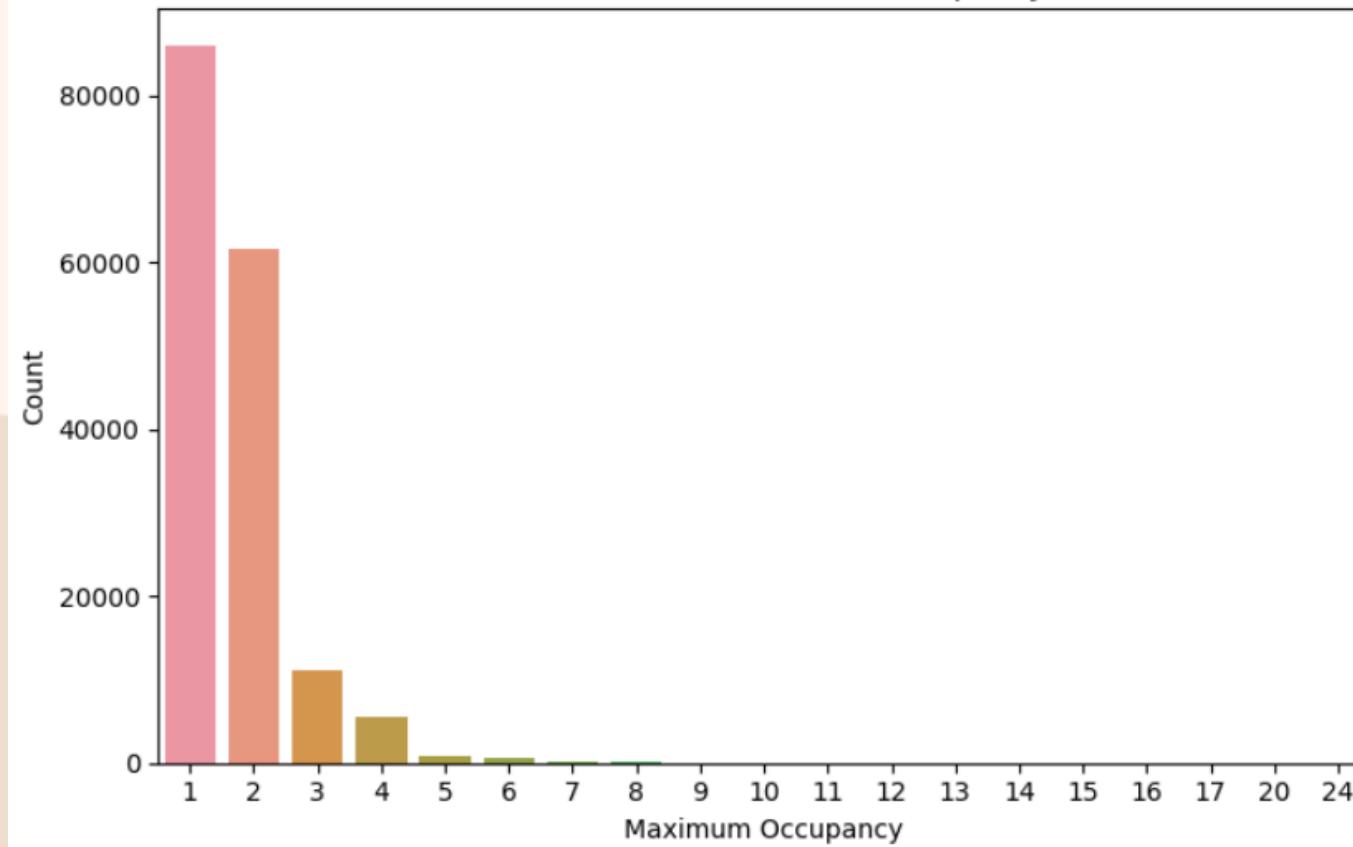
Distribution of Net Rates



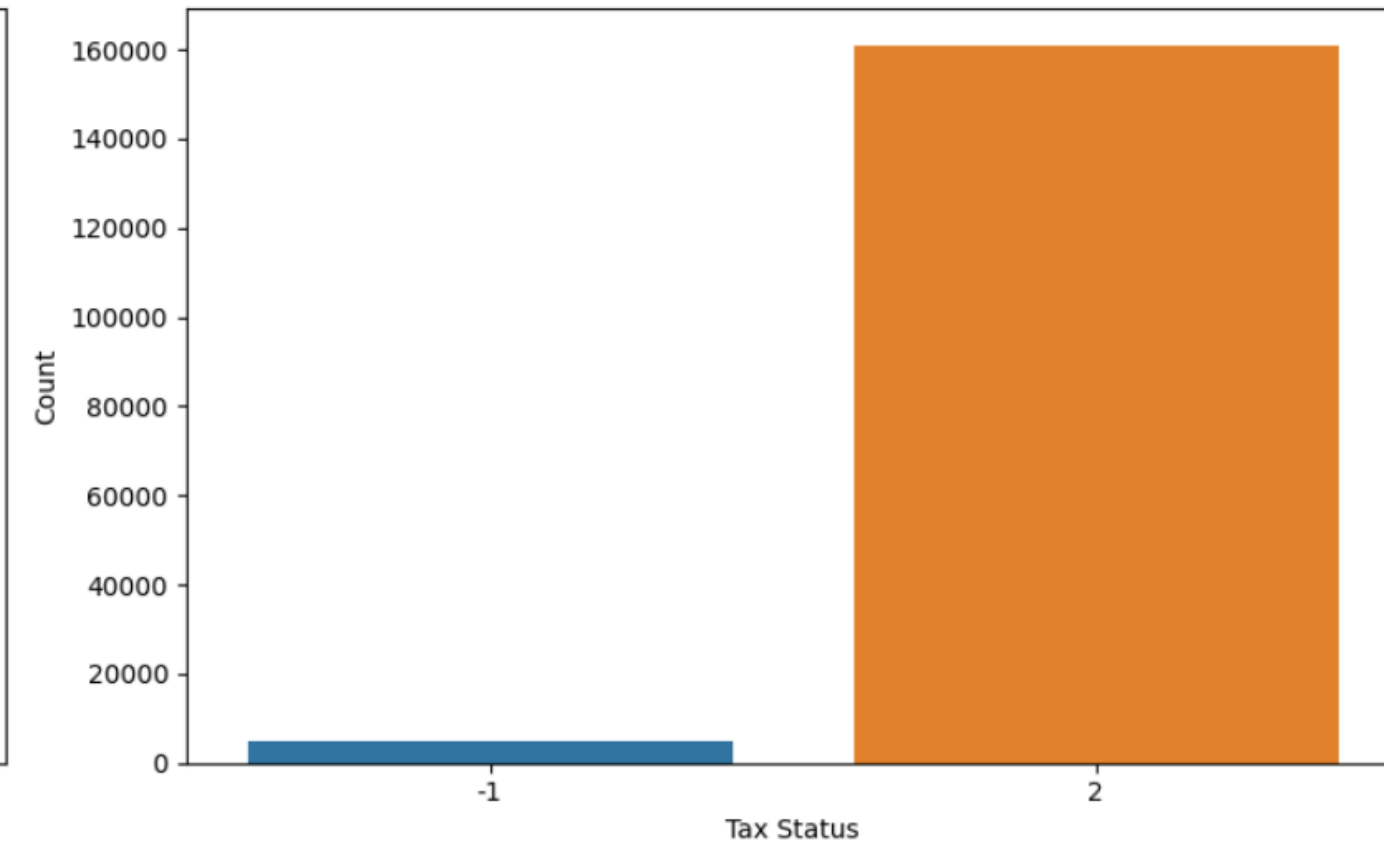
Distribution of Discounts



Distribution of Maximum Occupancy

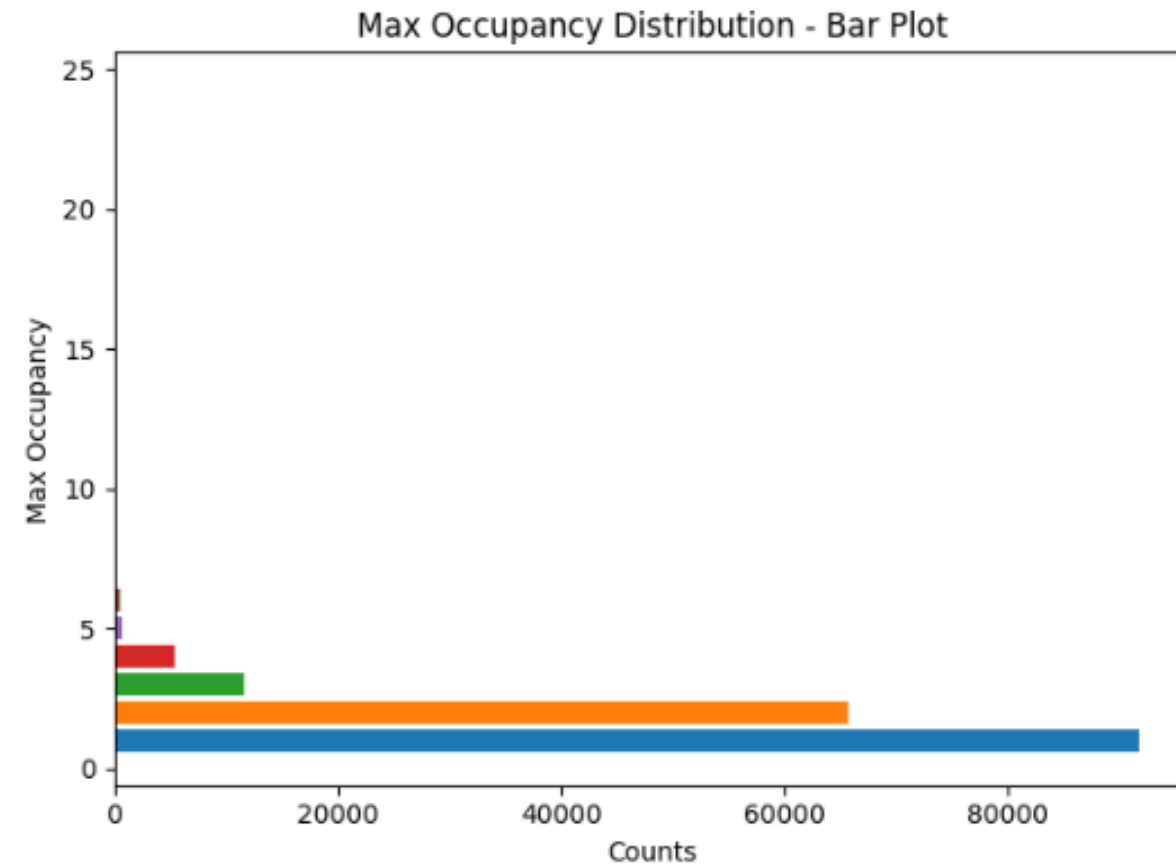


Count of Tax Status

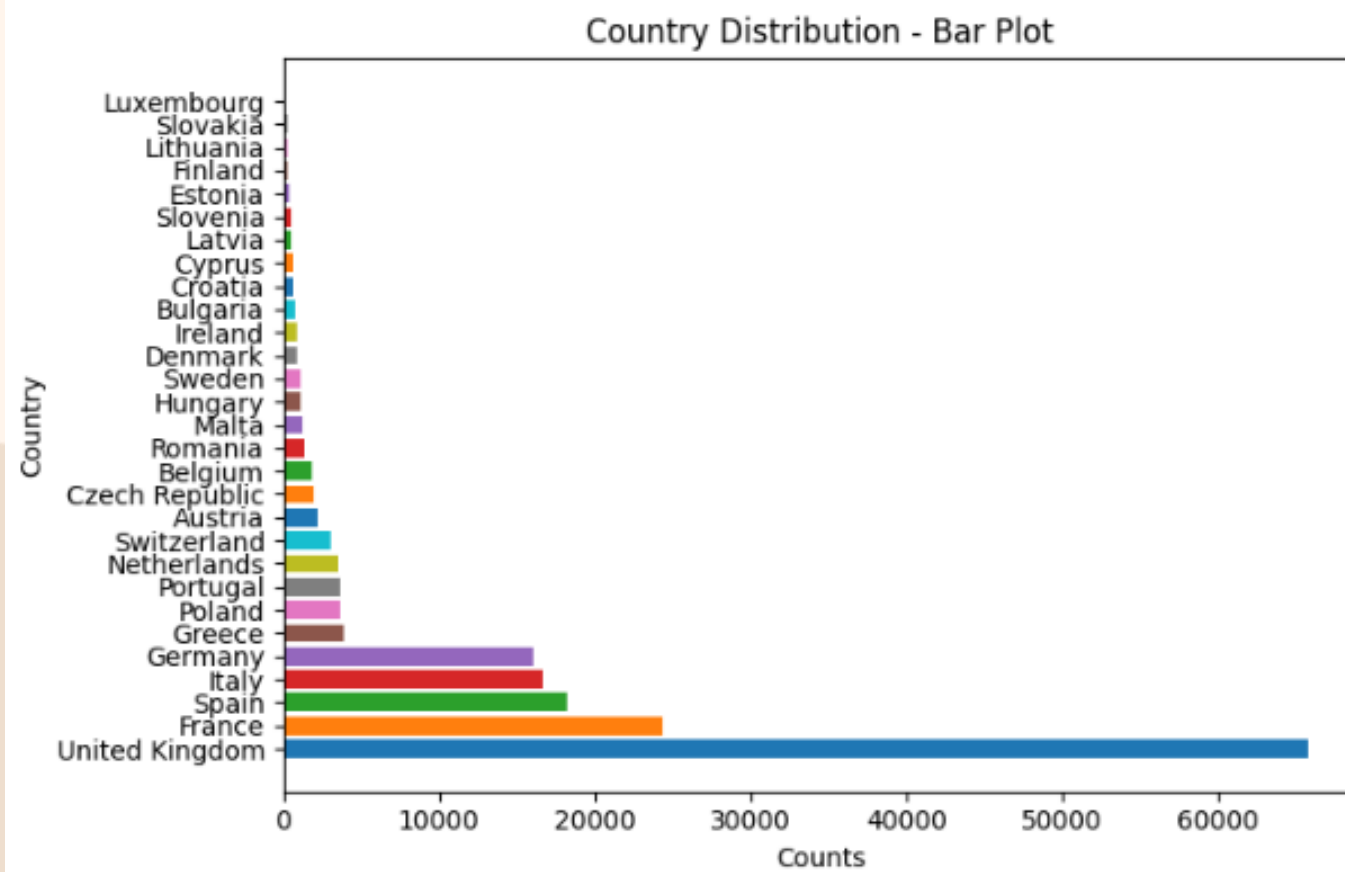
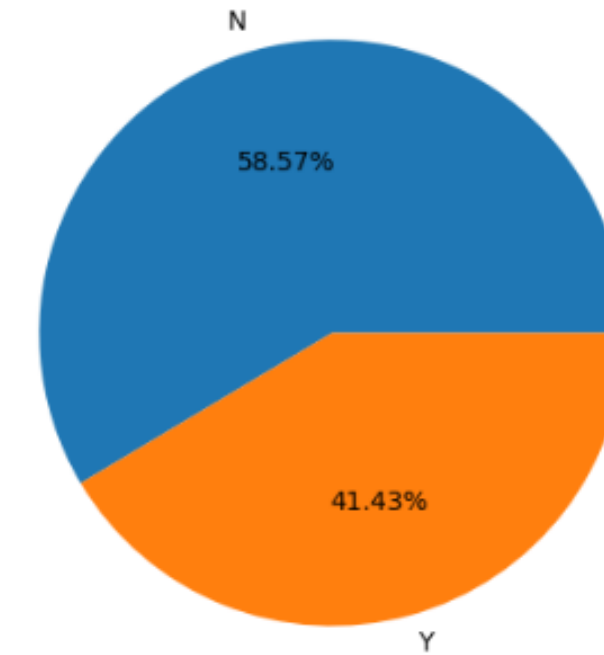


# EDA

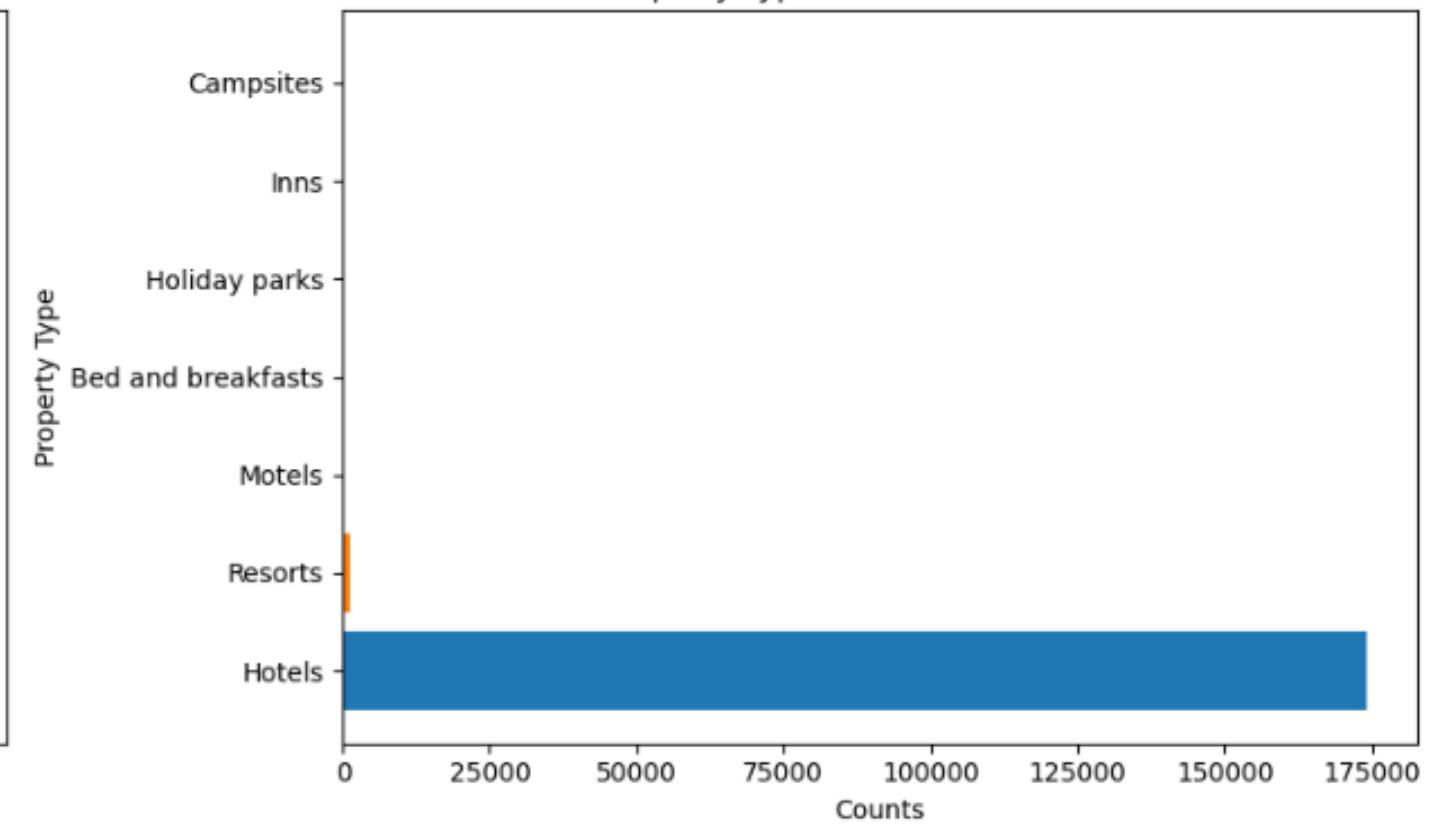
## Hotel Distribution



Is Promo Distribution - Pie Chart

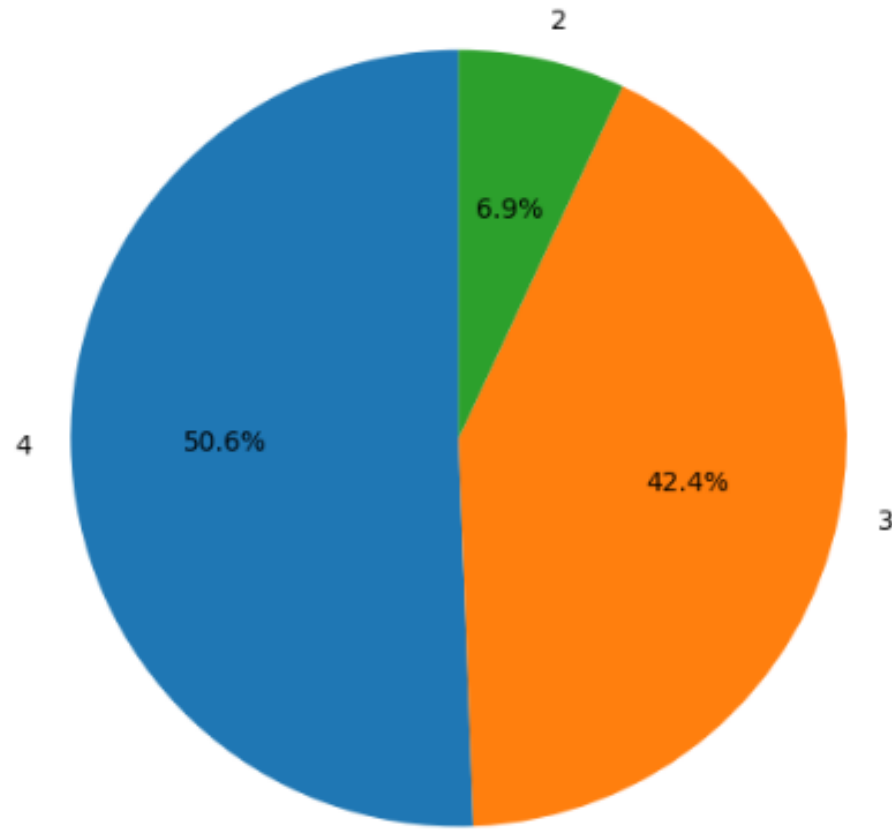


Property Type Distribution - Bar Plot

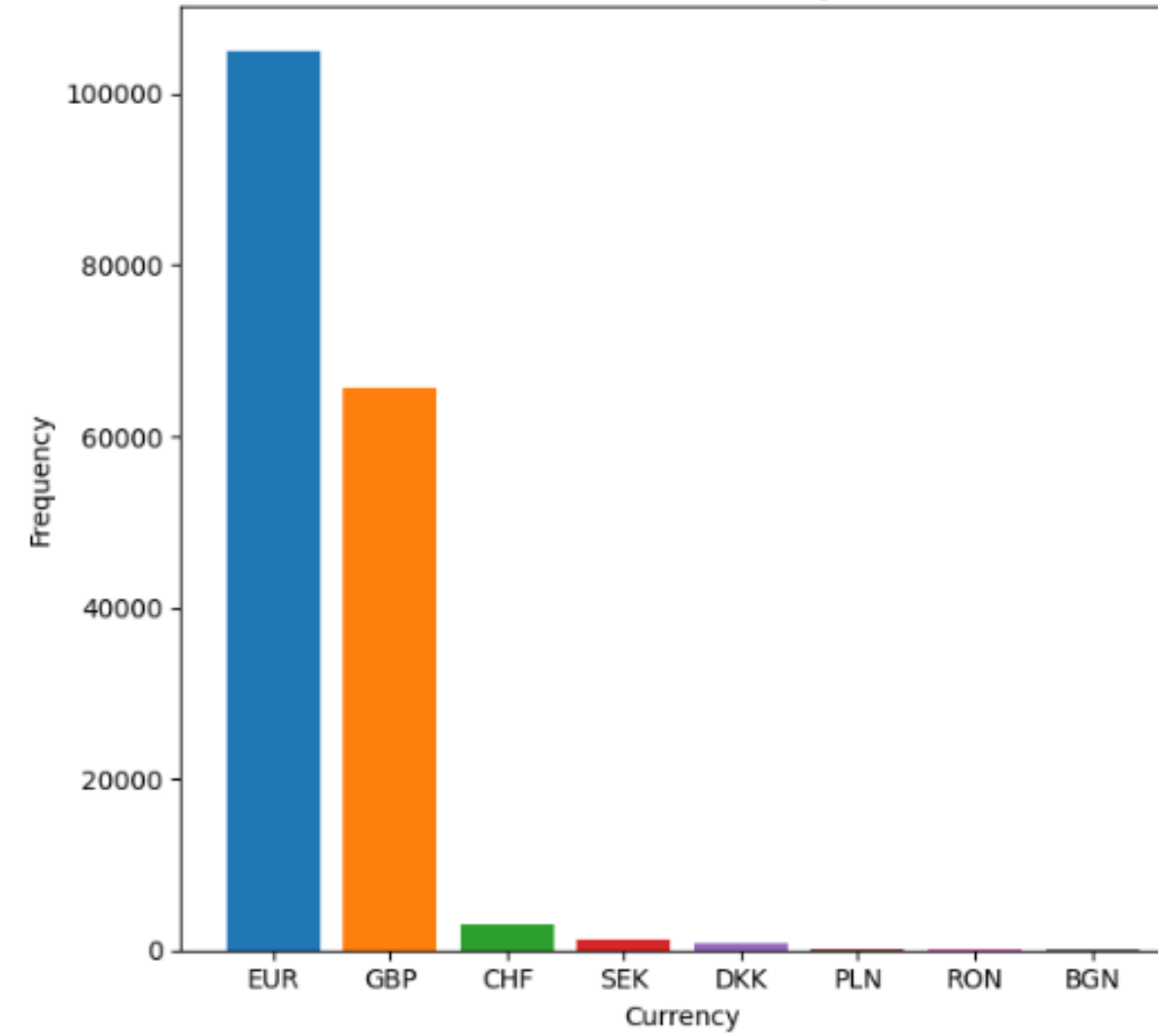


# EDA

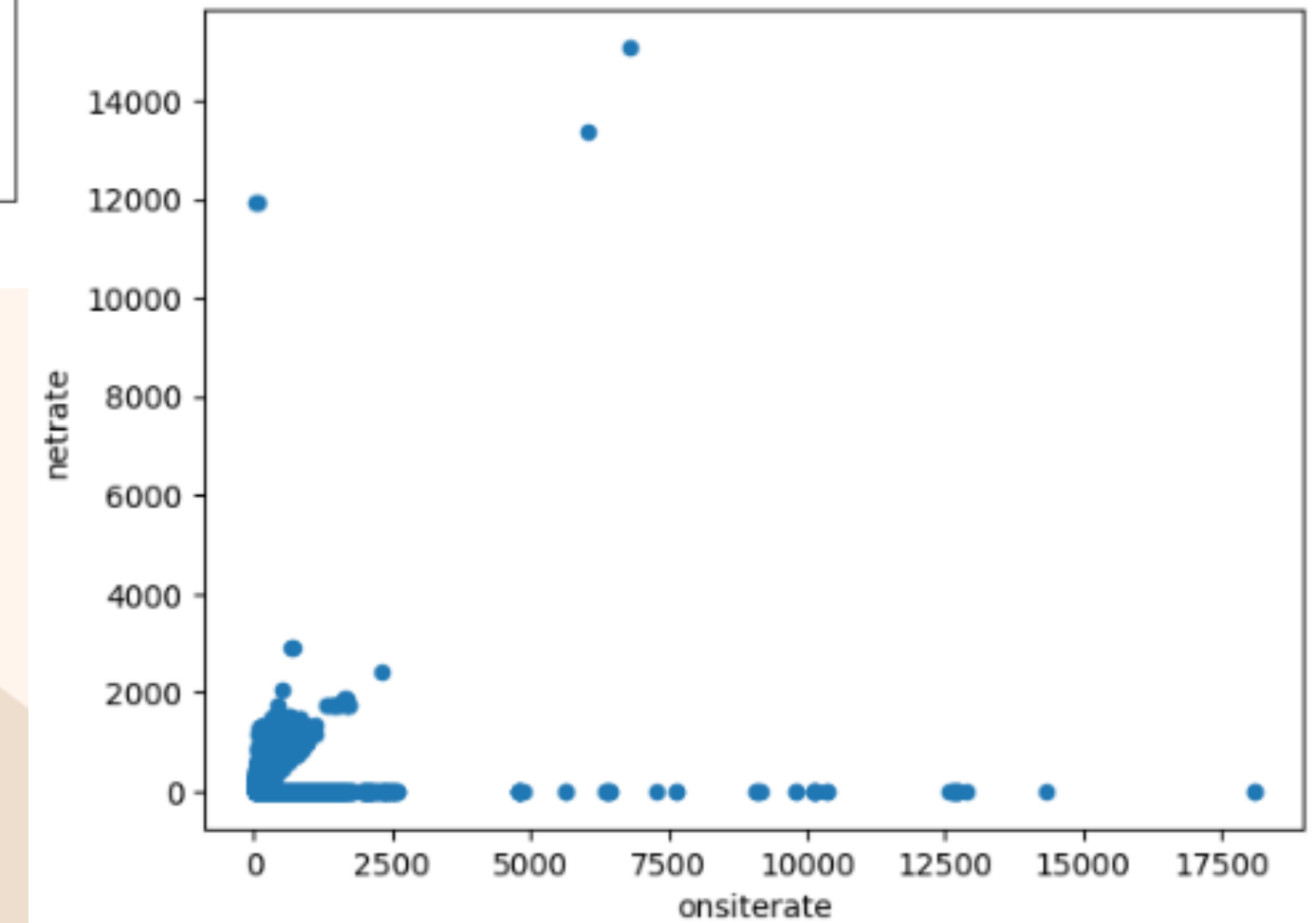
Pie Chart of Star Rating



Bar Plot of Currency

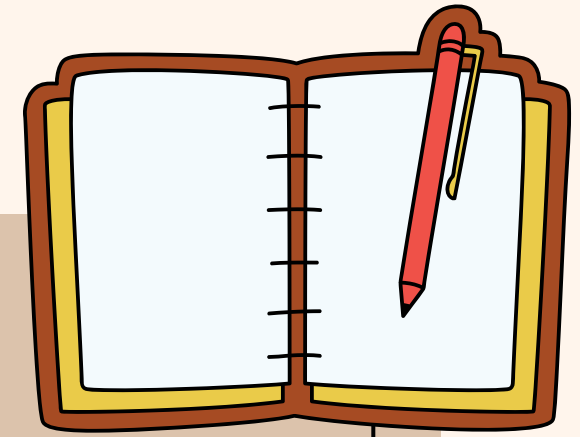


Onsite Rate vs Net Rate





# Feature Engineering



```
def clean_title(title):  
    if title is None:  
        return ""  
    return re.sub("[^a-zA-Z0-9 ]", "", title)
```

## TF-IDF

```
# Vectorizer for meal inclusion type  
vectorizer_meal = TfidfVectorizer(ngram_range=(1, 2))  
tfidf_meal = vectorizer_meal.fit_transform(df_token["mealinclusiontype"].apply(clean_title))  
  
# Search function for meal  
def search_meal(meal):  
    meal = clean_title(meal)  
    query_vec = vectorizer_meal.transform([meal])  
    similarity = cosine_similarity(query_vec, tfidf_meal).flatten()  
    indices = np.argsort(similarity, -5)[-5:]  
    results = merged_df.iloc[indices][::-1]  
    return results
```

```
[636] def encode_rating(rating):  
        if rating < 2.5:  
            return 'low'  
        elif 2.5 <= rating <= 3.5:  
            return 'average'  
        else:  
            return 'high'  
  
        df_token['starrating'] = df_token['starrating'].apply(encode_rating)
```

```
df_token['starrating'].value_counts()
```

```
high      89134  
average   74749  
low       12238  
Name: starrating, dtype: int64
```

# MODELLING

```
if not combined_results.empty:
    # Calculate length difference
    combined_results['length_diff'] = combined_results.apply(lambda row: abs(len(row['roomtype']) - row['query_length']) if 'roomtype' in row else abs(len(row['mealinclusiontype']) - row['query_length']), axis=1)

    # Add randomness: Shuffle the order of results
    combined_results = combined_results.sample(frac=1).reset_index(drop=True)

    # Sort by length difference (and other criteria if needed)
    combined_results = combined_results.sort_values(by='length_diff', ascending=True)
```

```
if not combined_results.empty:
    # Calculate length difference
    combined_results['length_diff'] = combined_results.apply(lambda row: abs(len(row['roomtype']) - row['query_length']) if 'roomtype' in row else abs(len(row['mealinclusiontype']) - row['query_length']), axis=1)

    # Add randomness: Shuffle the order of results
    combined_results = combined_results.sample(frac=1).reset_index(drop=True)

    # Sort by length difference (and other criteria if needed)
    combined_results = combined_results.sort_values(by='length_diff', ascending=True)
```

Country: <input type="text" value="United Kingdom"/>		City: <input type="text" value="London"/>		Meal: <input type="text" value="Free Breakfast"/>		Room Type: <input type="text" value="Single"/>		Property Ty...: <input type="text" value="Hotels"/>		Star Rating: <input type="text" value="Lows"/>		<input type="button" value="Search"/>	
	mealinclusiontype	roomtype	country	city	propertytype	starrating	hotelname	maxoccupancy	onsiterate	curr	ratedescription	roomamenities	
14	No meal	Single	Spain	Barcelona	Hotels	high	Salles Pere IV Hotel	1	100.08	EUR	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms! ;...	
22	Free Breakfast	Single	Spain	Barcelona	Hotels	high	Salles Pere IV Hotel	1	115.96	EUR	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms! ;...	
20	No meal	Single	France	Paris	Hotels	low	Lilas Gambetta	1	83.38	EUR	Room size: 10 m²/108 ft², Non-smoking, Shower,...	Air conditioning: ;Closet: ;Free Wi-Fi in all ...	
13	Free Breakfast	Single	France	Paris	Hotels	low	Hotel Sacre Coeur Paris Montmartre	1	113.33	EUR	Free Wi-Fi, Cancellation policy	Air conditioning: ;Free Wi-Fi in all rooms! ;...	
4	Free Breakfast	Single	United Kingdom	London	Hotels	average	Park Hotel - Guesthouse	1	39.06	GBP	Shower, 1 single bed	Air conditioning: ;Alarm clock: ;Coffee/tea ma...	

PEMILIHAN BAHASA SEBAGAI

Brown Aesthetic Group Project

1ML\_PROJECT/lombs/DSCO\_Final

GWENCHANA\_FINAL (1) - Jupy

localhost:8889/notebooks/1ML\_PROJECT/lombs/DSCO\_Final/GWENCHANA\_FINAL%20(1).ipynb

jupyter

GWENCHANA\_FINAL (1)

Last Checkpoint: 6 hours ago (autosaved)

Logout

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Country:

City:

Meal:

Room Type:

Property Ty...

hotels

Star Rating:

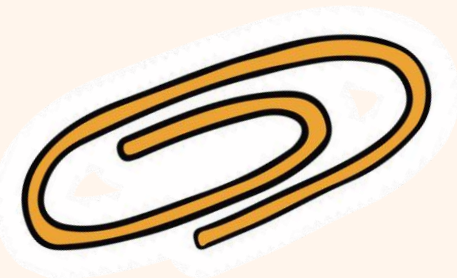
Search

	propertytype	country	city	starrating	onsiterate	maxoccupancy	roomtype	hotelname	ratedescription	roomamenities	mealinclusiontype
0	Resorts	Portugal	Lagoa	high	119.89	2	Deluxe Sea View	LTI Pestana Viking Beach and Spa Resort	Room size: 33 m²/355 ft², Ocean view, Balcony/...	Air conditioning; Closet; Clothes rack; Fre...	Free breakfast for (2) Dinner
4	Resorts	United Kingdom	Maidenhead	high	203.37	2	Classic Double Room	Fredrick's Hotel Restaurant Spa	Room size: 20 m²/215 ft², Garden view, Balcony...	Air conditioning; Bathrobes; Carpeting; Clo...	Free breakfast for (2) Dinner
2	Resorts	Spain	Alicante - Costa Blanca	high	76.36	1	Apt 2 rooms (1 pers)	El Plantio Golf Resort	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning; Free Wi-Fi in all rooms!; ...	Free Breakfast
3	Resorts	Spain	Alicante - Costa Blanca	high	93.92	1	Apt 2 rooms (1 pers)	El Plantio Golf Resort	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning; Free Wi-Fi in all rooms!; ...	Free Breakfast Dinner
1	Resorts	Spain	Alicante - Costa Blanca	high	78.66	1	2 Bedroom Apartment (4 Adults)	El Plantio Golf Resort	Room size: 108 m²/1163 ft², Pool view, Balcony...	Additional toilet; Air conditioning; Closet...	Free Breakfast

In [116]:

# Function to handle button click





# Prediction Result

Precision@5:  
 $5/5 = 1$

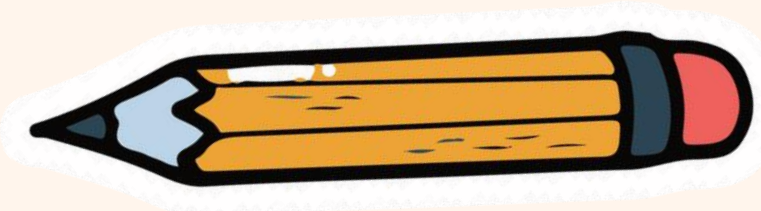
Country:	
City:	London
Meal:	
Room Type:	
Property Ty...	
Star Rating:	
Search	

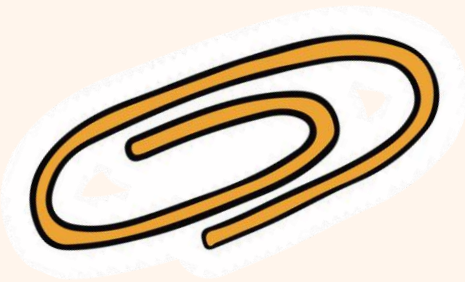
	mealinclusiontype	roomtype	country	city	propertytype	starrating	hotelname	maxoccupancy	onsiterate	curr	ratedescription	roomamenities
4	Free Breakfast	Single	United Kingdom	London	Hotels	average	Park Hotel - Guesthouse	1	39.06	GBP	Shower, 1 single bed	Air conditioning: ;Alarm clock: ;Coffee/tea ma...
0	Free breakfast for {4}	Quad	United Kingdom	London	Hotels	average	Park Hotel - Guesthouse	4	75.23	GBP	Room size: 15 m²/161 ft², Shower, 2 double beds	Air conditioning: ;Alarm clock: ;Coffee/tea ma...
1	Free breakfast for {4}	Quad	United Kingdom	London	Hotels	average	Park Hotel - Guesthouse	4	79.19	GBP	Room size: 15 m²/161 ft², Shower, 2 double beds	Air conditioning: ;Alarm clock: ;Coffee/tea ma...
2	Free breakfast for {2}	Double	United Kingdom	London	Hotels	average	Park Hotel - Guesthouse	2	58.08	GBP	Shower, 1 double bed	Air conditioning: ;Alarm clock: ;Coffee/tea ma...
3	No meal	Run of House	United Kingdom	London	Hotels	high	The Cleveland Hotel	1	121.86	GBP	Shower	Air conditioning: ;Coffee/tea maker: ;Daily ho...

Precision@5:  
 $5/5 = 1$

Country:	
City:	london
Meal:	
Room Type:	
Property Ty...	
Star Rating:	
Search	

	propertytype	country	city	starrating	onsiterate	maxoccupancy	roomtype	hotelname	ratedescription	roomamenities	mealinclusiontype
3	Hotels	United Kingdom	London	average	39.06	1	Single	Park Hotel - Guesthouse	Shower, 1 single bed	Air conditioning: ;Alarm clock: ;Coffee/tea ma...	Free Breakfast
0	Hotels	United Kingdom	London	average	75.23	4	Quad	Park Hotel - Guesthouse	Room size: 15 m²/161 ft², Shower, 2 double beds	Air conditioning: ;Alarm clock: ;Coffee/tea ma...	Free breakfast for {4}
2	Hotels	United Kingdom	London	average	58.08	2	Double	Park Hotel - Guesthouse	Shower, 1 double bed	Air conditioning: ;Alarm clock: ;Coffee/tea ma...	Free breakfast for {2}
4	Hotels	United Kingdom	London	average	79.19	4	Quad	Park Hotel - Guesthouse	Room size: 15 m²/161 ft², Shower, 2 double beds	Air conditioning: ;Alarm clock: ;Coffee/tea ma...	Free breakfast for {4}
1	Hotels	United Kingdom	London	high	121.86	1	Run of House	The Cleveland Hotel	Shower	Air conditioning: ;Coffee/tea maker: ;Daily ho...	No meal





# Prediction Result

Precision@5:  
5/5 = 1

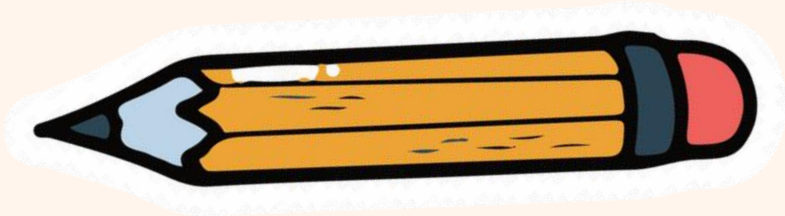
Country:	
City:	
Meal:	No Meal
Room Type:	
Property Ty...	
Star Rating:	
Search	

	mealinclusiontype	roomtype	country	city	propertytype	starrating	hotelname	maxoccupancy	onsiterate	curr	ratedescription	roomamenities
0	No meal	Standard 2 Single Berds	France	Chartres	Hotels	4	Hotel Campanile Chartres Centre	1	99.46	EUR	Room size: 20 m²/215 ft², 2 single beds	Air conditioning: ;Coffee/tea maker: ;Free Wi-...
2	No meal	Standard 2 Single Berds	France	Chartres	Hotels	4	Hotel Campanile Chartres Centre	1	84.54	EUR	Room size: 20 m²/215 ft², 2 single beds	Air conditioning: ;Coffee/tea maker: ;Free Wi-...
4	No meal	Standard Room 1 Queen Bed	France	Chartres	Hotels	4	Hotel Campanile Chartres Centre	1	110.16	EUR	Room size: 25 m²/269 ft², Non-smoking, 1 singl...	Air conditioning: ;Coffee/tea maker: ;Free Wi-...
3	No meal	2 Single Beds, standard room	France	Merignac	Hotels	3	Kyriad Bordeaux Ouest - Merignac Aeroport	1	903.57	EUR	Room size: 20 m²/215 ft², 2 single beds	Air conditioning: ;Free Wi-Fi in all rooms!; ;...
1	No meal	Family Room (2 Adults + 1 Child)	United Kingdom	Little Dean	Hotels	3	Littledean House Hotel	2	101.37	GBP	Room size: 12 m²/129 ft², Shower, 1 single bed...	Air conditioning: ;Alarm clock: ;Carpeting: ;C...

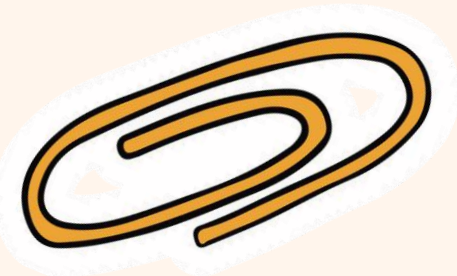
Precision@5:  
5/5 = 1

Country:	
City:	
Meal:	no meal
Room Type:	
Property Ty...	
Star Rating:	
Search	

	roomtype	onsiterate	ratedescription	roomamenities	maxoccupancy	mealinclusiontype	hotelname	city	country	propertytype	starrating
0	Standard 2 Single Berds	84.54	Room size: 20 m²/215 ft², 2 single beds	Air conditioning: ;Coffee/tea maker: ;Free Wi-...	1	No meal	Hotel Campanile Chartres Centre	Chartres	France	Hotels	high
4	Standard 2 Single Berds	99.46	Room size: 20 m²/215 ft², 2 single beds	Air conditioning: ;Coffee/tea maker: ;Free Wi-...	1	No meal	Hotel Campanile Chartres Centre	Chartres	France	Hotels	high
1	Standard Room 1 Queen Bed	110.16	Room size: 25 m²/269 ft², Non-smoking, 1 singl...	Air conditioning: ;Coffee/tea maker: ;Free Wi-...	1	No meal	Hotel Campanile Chartres Centre	Chartres	France	Hotels	high
3	2 Single Beds, standard room	903.57	Room size: 20 m²/215 ft², 2 single beds	Air conditioning: ;Free Wi-Fi in all rooms!; ;...	1	No meal	Kyriad Bordeaux Ouest - Merignac Aeroport	Merignac	France	Hotels	average
2	Family Room (2 Adults + 1 Child)	101.37	Room size: 12 m²/129 ft², Shower, 1 single bed...	Air conditioning: ;Alarm clock: ;Carpeting: ;C...	2	No meal	Littledean House Hotel	Little Dean	United Kingdom	Hotels	average







# Prediction Result

Precision@5:  
 $5/5 = 1$

<div>Country: <input type="text"/></div> <div>City: <input type="text"/></div> <div>Meal: <input type="text"/></div> <div>Room Type: <input type="text"/></div> <div>Property Ty... <input type="text" value="Resorts"/></div> <div>Star Rating: <input type="text"/></div> <div>Search</div>												
	mealinclusiontype	roomtype	country	city	propertytype	starrating	hotelname	maxoccupancy	onsiterate	curr	ratedescription	roomamenities
1	Free breakfast for {2} Dinner	Deluxe Sea View	Portugal	Lagoa	Resorts	high	LTI Pestana Viking Beach and Spa Resort	2	119.89	EUR	Room size: 33 m²/355 ft², Ocean view, Balcony/...	Air conditioning: ;Closet: ;Clothes rack: ;Fre...
3	Free breakfast for {2} Dinner	Classic Double Room	United Kingdom	Maidenhead	Resorts	high	Fredrick's Hotel Restaurant Spa	2	203.37	GBP	Room size: 20 m²/215 ft², Garden view, Balcony...	Air conditioning: ;Bathrobes: ;Carpeting: ;Clo...
0	Free Breakfast Dinner	Apt 2 rooms (1 pers)	Spain	Alicante - Costa Blanca	Resorts	high	El Plantio Golf Resort	1	93.92	EUR	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!; ;...
2	Free Breakfast	Apt 2 rooms (1 pers)	Spain	Alicante - Costa Blanca	Resorts	high	El Plantio Golf Resort	1	76.36	EUR	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!; ;...
4	Free Breakfast	2 Bedroom Apartment (4 Adults)	Spain	Alicante - Costa Blanca	Resorts	high	El Plantio Golf Resort	1	78.66	EUR	Room size: 108 m²/1163 ft², Pool view, Balcony...	Additional toilet: ;Air conditioning: ;Closet:...

Precision@5:  
 $5/5 = 1$

Country:

City:

Meal:

Room Type:

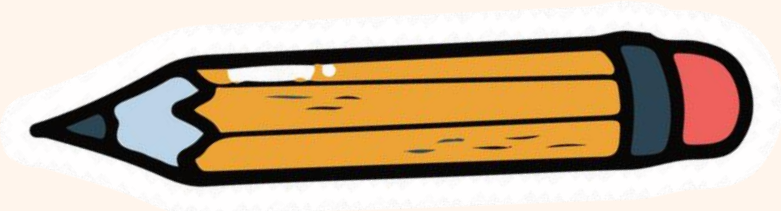
Property Ty...

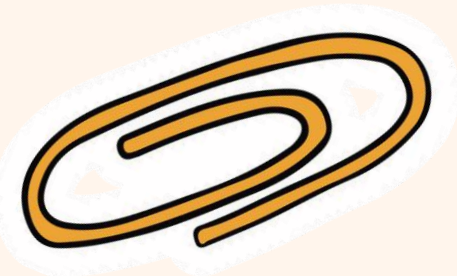
resorts

Star Rating:

Search

	propertytype	country	city	starrating	onsiterate	maxoccupancy	roomtype	hotelname	ratedescription	roomamenities	mealinclusiontype
2	Resorts	Portugal	Lagoa	high	119.89	2	Deluxe Sea View	LTI Pestana Viking Beach and Spa Resort	Room size: 33 m²/355 ft², Ocean view, Balcony/...	Air conditioning: ;Closet: ;Clothes rack: ;Fre...	Free breakfast for {2} Dinner
4	Resorts	United Kingdom	Maidenhead	high	203.37	2	Classic Double Room	Fredrick's Hotel Restaurant Spa	Room size: 20 m²/215 ft², Garden view, Balcony...	Air conditioning: ;Bathrobes: ;Carpeting: ;Clo...	Free breakfast for {2} Dinner
1	Resorts	Spain	Alicante - Costa Blanca	high	76.36	1	Apt 2 rooms (1 pers)	El Plantio Golf Resort	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!; ;...	Free Breakfast
3	Resorts	Spain	Alicante - Costa Blanca	high	93.92	1	Apt 2 rooms (1 pers)	El Plantio Golf Resort	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!; ;...	Free Breakfast Dinner
0	Resorts	Spain	Alicante - Costa Blanca	high	78.66	1	2 Bedroom Apartment (4 Adults)	El Plantio Golf Resort	Room size: 108 m²/1163 ft², Pool view, Balcony...	Additional toilet: ;Air conditioning: ;Closet:...	Free Breakfast





# Prediction Result

Precision@5:  
 $4/5 = 0.8$

Country:United Kingdom

City:

Meal:Breakfast

Room Type:

Property Ty...

Star Rating:

Search

	mealinclusiontype	roomtype	country	city	propertytype	starrating	hotelname	maxoccupancy	onsiterate	curr	ratedescription	roomamenities
5	Free Breakfast	Double Room	United Kingdom	Nether Stowey	Hotels	4	The Old Cider House	1	82.36	GBP	Room size: 15 m²/161 ft², Shower, 1 king bed	Air conditioning: ;Alarm clock: ;Carpeting: ;C...
1	Free Breakfast	Superior Room	Austria	Graz	Hotels	4	Augarten Art Hotel	1	108.12	EUR	Room size: 24 m²/258 ft², Bathtub, 1 king bed ...	Air conditioning: ;Bathrobes: ;Closet: ;Desk: ...
0	Free breakfast for {2}	Private Room Sleeps 2	United Kingdom	Bournemouth	Hotels	average	Klikaway	2	76.03	GBP	Room size: 15 m²/161 ft², Shower, 2 bunk beds	Air conditioning: ;Closet: ;Coffee/tea maker: ...
2	Free Breakfast for 1	Executive Double Room	United Kingdom	Derby	Hotels	high	Hallmark Hotel Derby Mickelover Court	1	118.77	GBP	Room size: 17 m²/183 ft², Garden view, Balcony...	Air conditioning: ;Alarm clock: ;Carpeting: ;C...
3	Free Breakfast for 1	Executive Double Room	United Kingdom	Derby	Hotels	high	Hallmark Hotel Derby Mickelover Court	1	120.79	GBP	Room size: 17 m²/183 ft², Garden view, Balcony...	Air conditioning: ;Alarm clock: ;Carpeting: ;C...

Precision@5:  
 $4/5 = 0.8$

Country:

City:

Meal:

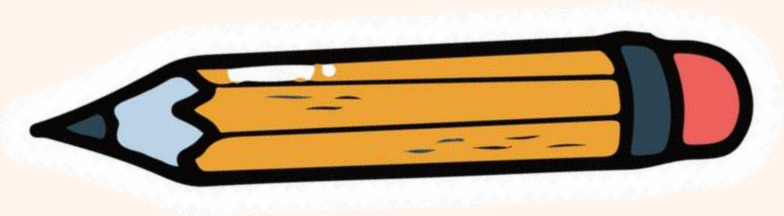
Room Type:

Property Ty...

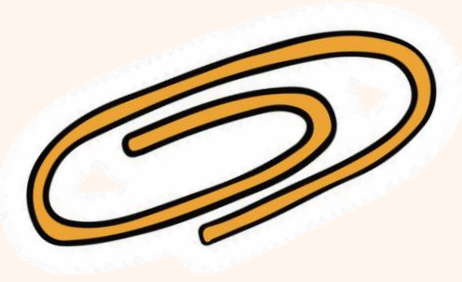
Star Rating:

Search

	roomtype	onsiterate	ratedescription	roomamenities	maxoccupancy	mealinclusiontype	hotelname	city	country	propertytype	starrating
0	Double Room	82.36	Room size: 15 m²/161 ft², Shower, 1 king bed	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	1	Free Breakfast	The Old Cider House	Nether Stowey	United Kingdom	Hotels	high
9	Superior Room	108.12	Room size: 24 m²/258 ft², Bathtub, 1 king bed ...	Air conditioning; ;Bathrobes; ;Closet; ;Desk; ...	1	Free Breakfast	Augarten Art Hotel	Graz	Austria	Hotels	high
1	Executive Double Room	252.58	Room size: 17 m²/183 ft², Garden view, Balcony...	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	2	Free breakfast for {2} Dinner	Hallmark Hotel Derby Mickleover Court	Derby	United Kingdom	Hotels	high
3	Executive Double Room	121.29	Room size: 17 m²/183 ft², Garden view, Balcony...	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	1	Free Breakfast	Hallmark Hotel Derby Mickleover Court	Derby	United Kingdom	Hotels	high
4	Executive Double Room	120.79	Room size: 17 m²/183 ft², Garden view, Balcony...	Air conditioning; ;Alarm clock; ;Carpeting; ;C...	1	Free Breakfast for 1	Hallmark Hotel Derby Mickleover Court	Derby	United Kingdom	Hotels	high







# Prediction Result

Precision@5:  
 $2/5 = 0.4$

Country: United Kingdom		City:		Meal:		Room Type: triple		Property Ty...		Star Rating: average		Search	
mealinclusiontype	roomtype	country	city	propertytype	starrating	hotelname	maxoccupancy	onsiterate	curr	ratedescription	roomamenities		
1	No meal	Triple	France	Paris	Hotels	average	Hotel 3 Poussins	1	268.24	EUR	Room size: 18 m²/194 ft², City view, Non-smoki...	Air conditioning: ;Blackout curtains: ;Carpeti...	
2	No meal	Triple	France	Paris	Hotels	average	Hotel Parisiana	1	128.33	EUR	Room size: 18 m²/194 ft², Non-smoking, Shower,...	Air conditioning: ;Carpeting: ;Desk: ;Free Wi-...	
8	Free breakfast for {3}	Triple	United Kingdom	London	Hotels	average	Comfort Inn St Pancras - Kings Cross	3	110.87	GBP	Room size: 20 m²/215 ft², Non-smoking, Shower,...	Air conditioning: ;Alarm clock: ;Coffee/tea ma...	
9	No meal	Triple	France	Paris	Hotels	average	Hotel 3 Poussins	1	258.19	EUR	Room size: 18 m²/194 ft², City view, Non-smoki...	Air conditioning: ;Blackout curtains: ;Carpeti...	
10	Free Breakfast	Triple	United Kingdom	London	Hotels	average	Comfort Inn St Pancras - Kings Cross	1	92.52	GBP	Room size: 20 m²/215 ft², Non-smoking, Shower,...	Air conditioning: ;Alarm clock: ;Coffee/tea ma...	

Precision@5:  
 $2/5 = 0.4$

Country:

City:

Meal:

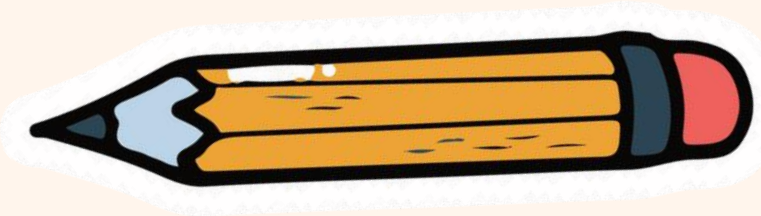
Room Type:

Property Ty...

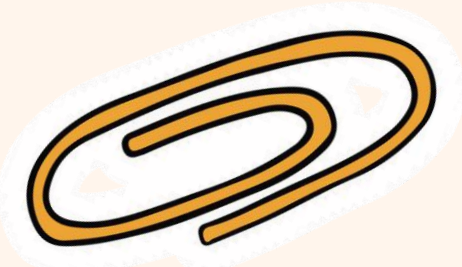
Star Rating:

Search

	propertytype	country	city	starrating	onsiterate	maxoccupancy	roomtype	hotelname	ratedescription	roomamenities	mealinclusiontype
0	Hotels	United Kingdom	London	average	92.52	1	Triple	Comfort Inn St Pancras - Kings Cross	Room size: 20 m²/215 ft², Non-smoking, Shower,...	Air conditioning: ;Alarm clock: ;Coffee/tea ma...	Free Breakfast
2	Hotels	United Kingdom	London	average	110.87	3	Triple	Comfort Inn St Pancras - Kings Cross	Room size: 20 m²/215 ft², Non-smoking, Shower,...	Air conditioning: ;Alarm clock: ;Coffee/tea ma...	Free breakfast for {3}
3	Hotels	France	Paris	average	268.24	1	Triple	Hotel 3 Poussins	Room size: 18 m²/194 ft², City view, Non-smoki...	Air conditioning: ;Blackout curtains: ;Carpeti...	No meal
10	Hotels	France	Paris	average	258.19	1	Triple	Hotel 3 Poussins	Room size: 18 m²/194 ft², City view, Non-smoki...	Air conditioning: ;Blackout curtains: ;Carpeti...	No meal
13	Hotels	France	Paris	average	128.33	1	Triple	Hotel Parisiana	Room size: 18 m²/194 ft², Non-smoking, Shower,...	Air conditioning: ;Carpeting: ;Desk: ;Free Wi-...	No meal







# Prediction Result

Country:	France
City:	
Meal:	
Room Type:	single
Property Ty...	
Star Rating:	low
Search	

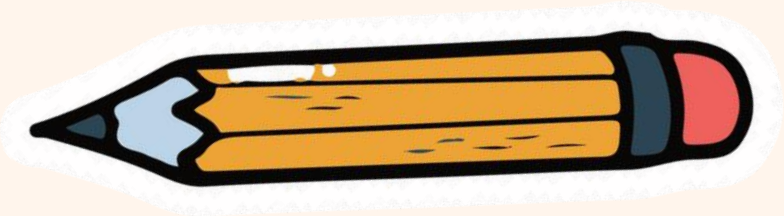
	mealinclusiontype	roomtype	country	city	propertytype	starrating	hotelname	maxoccupancy	onsiterate	curr	ratedescription	roomamenities
2	Free Breakfast Dinner	Single	United Kingdom	Oban	Hotels	low	The Regent Hotel	1	80.78	GBP	Shower, 1 single bed	Air conditioning: ;Closet: ;Coffee/tea maker: ...
3	No meal	Single	France	Paris	Hotels	low	Lilas Gambetta	1	83.38	EUR	Room size: 10 m²/108 ft², Non-smoking, Shower,...	Air conditioning: ;Closet: ;Free Wi-Fi in all ...
5	Free Breakfast	Single	Spain	Barcelona	Hotels	high	Salles Pere IV Hotel	1	115.96	EUR	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!; ;...
6	Free Breakfast	Single	France	Paris	Hotels	low	Hotel Sacre Coeur Paris Montmartre	1	113.33	EUR	Free Wi-Fi, Cancellation policy	Air conditioning: ;Free Wi-Fi in all rooms!; ;...
9	No meal	Single	Spain	Barcelona	Hotels	high	Salles Pere IV Hotel	1	100.08	EUR	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!; ;...

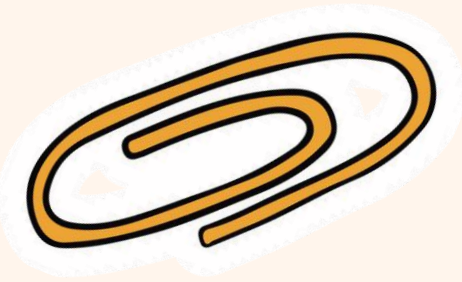
Precision@5:  
 $2/5 = 0.4$

Country:	France
City:	
Meal:	
Room Type:	single
Property Ty...	
Star Rating:	low
Search	

	propertytype	country	city	starrating	onsiterate	maxoccupancy	roomtype	hotelname	ratedescription	roomamenities	mealinclusiontype
0	Hotels	Spain	Barcelona	high	115.96	1	Single	Salles Pere IV Hotel	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!; ;...	Free Breakfast
2	Hotels	France	Chamonix-Mont-Blanc	average	190.88	1	Triple	Chalet Hotel Prieure	Room size: 30 m²/323 ft², Mountain view, Balco...	Air conditioning: ;Alarm clock: ;Blackout curt...	Free Breakfast Dinner
4	Hotels	France	Paris	low	83.38	1	Single	Lilas Gambetta	Room size: 10 m²/108 ft², Non-smoking, Shower,...	Air conditioning: ;Closet: ;Free Wi-Fi in all ...	No meal
5	Hotels	Spain	Barcelona	high	100.08	1	Single	Salles Pere IV Hotel	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!; ;...	No meal
10	Hotels	France	Paris	low	113.33	1	Single	Hotel Sacre Coeur Paris Montmartre	Free Wi-Fi, Cancellation policy	Air conditioning: ;Free Wi-Fi in all rooms!; ;...	Free Breakfast

Precision@5:  
 $2/5 = 0.4$





# Prediction Result

Precision@5:  
0/5 = 0

Country:

United Kingdom

City:

Meal:

no meal

Room Type:

single

Property Ty...

hotels

Star Rating:

low

Search

	mealinclusiontype	roomtype	country	city	propertytype	starrating	hotelname	maxoccupancy	onsiterate	curr	ratedescription	roomamenities
21	No meal	Single	France	Paris	Hotels	low	Lilas Gambetta	1	83.38	EUR	Room size: 10 m²/108 ft², Non-smoking, Shower,...	Air conditioning: ;Closet: ;Free Wi-Fi in all ...
18	Free Breakfast Dinner	Single	United Kingdom	Oban	Hotels	low	The Regent Hotel	1	80.78	GBP	Shower, 1 single bed	Air conditionig: ;Closet: ;Coffee/tea maker: ...
10	Free Breakfast	Single	France	Paris	Hotels	low	Hotel Sacre Coeur Paris Montmartre	1	113.33	EUR	Free Wi-Fi, Cancellation policy	Air conditioning: ;Free Wi-Fi in all rooms!: ;...
8	No meal	Single	Spain	Barcelona	Hotels	high	Salles Pere IV Hotel	1	100.08	EUR	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!: ;...
9	Free Breakfast	Single	Spain	Barcelona	Hotels	high	Salles Pere IV Hotel	1	115.96	EUR	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!: ;...

Precision@5:  
0/5 = 0

Country:

united kingdom

City:

Meal:

no meal

Room Type:

single

Property Ty...

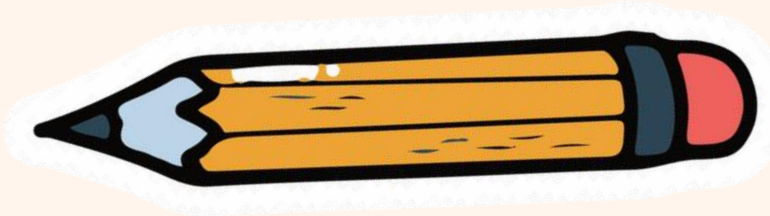
hotels

Star Rating:

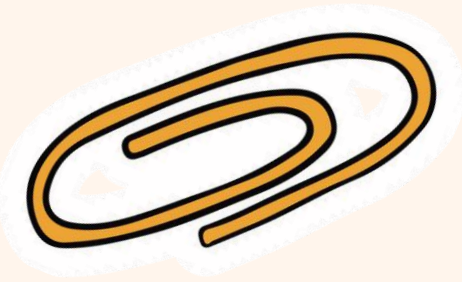
low

Search

	roomtype	onsiterate	ratedescription	roomamenities	maxoccupancy	mealinclusiontype	hotelname	city	country	propertytype	starrating
0	Single	83.38	Room size: 10 m²/108 ft², Non-smoking, Shower,...	Air conditioning: ;Closet: ;Free Wi-Fi in all ...	1	No meal	Lilas Gambetta	Paris	France	Hotels	low
2	Single	100.08	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!: ;...	1	No meal	Salles Pere IV Hotel	Barcelona	Spain	Hotels	high
3	Single	113.33	Free Wi-Fi, Cancellation policy	Air conditioning: ;Free Wi-Fi in all rooms!: ;...	1	Free Breakfast	Hotel Sacre Coeur Paris Montmartre	Paris	France	Hotels	low
5	Single	80.78	Shower, 1 single bed	Air conditioning: ;Closet: ;Coffee/tea maker: ...	1	Free Breakfast Dinner	The Regent Hotel	Oban	United Kingdom	Hotels	low
21	Single	115.96	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!: ;...	1	Free Breakfast	Salles Pere IV Hotel	Barcelona	Spain	Hotels	high







# Prediction Result

Precision@5:  
0/5 = 0

Country: United Kingdom

City: Oban

Meal: no meal

Room Type: single

Property Ty... hotels

Star Rating: high

Search

	mealinclusiontype	roomtype	country	city	propertytype	starrating	hotelname	maxoccupancy	onsiterate	curr	ratedescription	roomamenities
0	No meal	Single	France	Paris	Hotels	low	Lilas Gambetta	1	83.38	EUR	Room size: 10 m²/108 ft², Non-smoking, Shower,...	Air conditioning: ;Closet: ;Free Wi-Fi in all ...
27	Free Breakfast	Single	Spain	Barcelona	Hotels	high	Salles Pere IV Hotel	1	115.96	EUR	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!; ;...
21	Free Breakfast	Single	France	Paris	Hotels	low	Hotel Sacre Coeur Paris Montmartre	1	113.33	EUR	Free Wi-Fi, Cancellation policy	Air conditioning: ;Free Wi-Fi in all rooms!; ;...
20	Free Breakfast Dinner	Single	United Kingdom	Oban	Hotels	low	The Regent Hotel	1	80.78	GBP	Shower, 1 single bed	Air conditioning: ;Closet: ;Coffee/tea maker: ...
18	No meal	Twin	United Kingdom	Oban	Hotels	low	The Regent Hotel	2	71.27	GBP	Room size: 10 m²/108 ft², Non-smoking, Shower,...	Air conditioning: ;Closet: ;Coffee/tea maker: ...

Precision@5:  
0/5 = 0

Country:

united kingdom

City:

oban

Meal:

no meal

Room Type:

single

Property Ty...

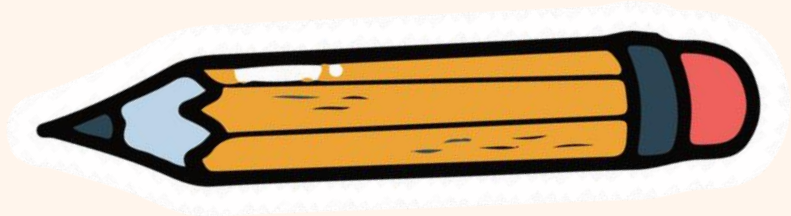
hotels

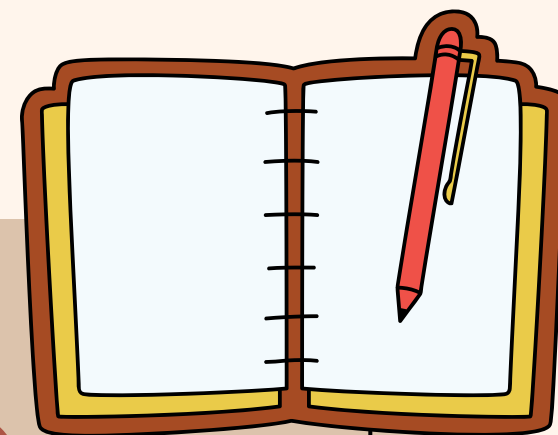
Star Rating:

high

Search

	roomtype	onsiterate	ratedescription	roomamenities	maxoccupancy	mealinclusiontype	hotelname	city	country	propertytype	starrating
3	Twin	71.27	Room size: 10 m²/108 ft², Non-smoking, Shower,...	Air conditioning: ;Closet: ;Coffee/tea maker: ...	2	No meal	The Regent Hotel	Oban	United Kingdom	Hotels	low
21	Single	100.08	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!: ;...	1	No meal	Salles Pere IV Hotel	Barcelona	Spain	Hotels	high
7	Single	83.38	Room size: 10 m²/108 ft², Non-smoking, Shower,...	Air conditioning: ;Closet: ;Free Wi-Fi in all ...	1	No meal	Lilas Gambetta	Paris	France	Hotels	low
8	Single	113.33	Free Wi-Fi, Cancellation policy	Air conditioning: ;Free Wi-Fi in all rooms!: ;...	1	Free Breakfast	Hotel Sacre Coeur Paris Montmartre	Paris	France	Hotels	low
9	Single	115.96	Free Wi-Fi, Extra low price! (non-refundable)	Air conditioning: ;Free Wi-Fi in all rooms!: ;...	1	Free Breakfast	Salles Pere IV Hotel	Barcelona	Spain	Hotels	high





# Conclusion

# Thankyou

