

6408	53503353	None	...	37.746952	-122.471430
6409	53519481	Vinohrady	...	37.781180	-122.493380
6410	53586203	Upper Rockridge	...	37.782234	-122.412285
6411	53644011	Inner Sunset	...	37.754158	-122.478960
6412	53647393	Noe Valley	...	37.783340	-122.417060

[6413 rows x 31 columns]

	latitude_x	longitude_x	price	number_of_reviews	\
price	0.114866	0.019636	1.00000	0.001120	
rating	-0.040198	-0.026118	0.20331	-0.228641	
num_reviews	-0.208990	-0.177331	0.00112	1.000000	

	review_scores_rating	reviews_per_month	crime_counts	distance
price	0.203310	-0.061883	0.137491	-0.004806
rating	1.000000	-0.105472	0.060844	0.051316
num_reviews	-0.228641	0.751077	-0.084020	0.123966

neighbourhood_cleansed:

neighbourhood_cleansed

Downtown/Civic Center 489

Mission 450

Western Addition 352

South of Market 294

Bernal Heights 265

Castro/Upper Market 254

Outer Sunset 239

Haight Ashbury 236

Nob Hill 229

Noe Valley 201

Marina 156

North Beach 138

Inner Richmond 133

Outer Richmond 133

Bayview 127

Potrero Hill 126

Russian Hill 123

Pacific Heights 122

Inner Sunset 112

Financial District 105

Excelsior 103

Outer Mission 95

Parkside 95

Chinatown 91

Ocean View 78

West of Twin Peaks 77

Glen Park 49

Visitacion Valley 42

Twin Peaks 42

Lakeshore 37

Crocker Amazon 29

Presidio Heights 21

Seacliff 11

Diamond Heights 10

Presidio 8

Golden Gate Park 4

dtype: int64

latitude_x:

latitude_x

37.769440 17

37.769420 17

37.789310 14

```
..
37.756440      1
37.756460      1
37.756510      1
37.756520      1
37.807740      1
Length: 3651, dtype: int64
```

```
longitude_x:
longitude_x
-122.44991      17
-122.44992      17
-122.40588      13
-122.40710      13
-122.41952      11
..
-122.44102      1
-122.44100      1
-122.44098      1
-122.44096      1
-122.36903      1
Length: 3664, dtype: int64
```

```
Parking Tax:
Parking Tax
0.0      5046
1.0       30
dtype: int64
```

```
Transient Occupancy Tax:
Transient Occupancy Tax
0.0      4881
1.0       195
dtype: int64
```

```
latitude_x:
mean      37.729595
std        0.007022
min        37.709870
25%        37.727365
50%        37.730960
75%        37.734485
max        37.744440
Name: latitude_x, dtype: float64
```

latitude_x mode: 37.72942

```
longitude_x:
mean      -122.390174
std        0.006930
min       -122.404740
25%       -122.395075
50%       -122.389810
75%       -122.386190
max       -122.369030
Name: longitude_x, dtype: float64
```

longitude_x mode: -122.40149

```
price:
mean      112.141732
```

```
price:
mean      112.141732
std        73.895972
min         37.000000
25%        57.000000
50%        90.000000
75%       130.500000
max       415.000000
Name: price, dtype: float64
```

```
price mode: 50.0
```

```
number_of_reviews:
mean      56.086614
std       79.632492
min         1.000000
25%         4.000000
50%        16.000000
75%        69.500000
max      325.000000
Name: number_of_reviews, dtype: float64
```

```
number_of_reviews mode: 1
```

```
review_scores_rating:
mean      4.593858
std        0.881815
min         0.000000
25%         4.670000
50%         4.810000
75%         5.000000
max         5.000000
Name: review_scores_rating, dtype: float64
```

```
review_scores_rating mode: 5.0
```

```
reviews_per_month:
mean      2.057717
std       5.158069
min         0.010000
25%         0.245000
50%         0.780000
75%         2.435000
max      55.000000
Name: reviews_per_month, dtype: float64
```

```
reviews_per_month mode: 0.2
```

```
crime_counts:
mean      1983.047244
std       733.794345
min       734.000000
25%      1362.000000
50%      1928.000000
75%      2423.500000
max      4263.000000
Name: crime_counts, dtype: float64
```

```
crime_counts mode: 1427
```

```
distance:
```



```
std      0.004439
min      37.731950
25%      37.738120
50%      37.741390
75%      37.745440
max      37.748490
Name: latitude_x, dtype: float64
```

latitude_x mode: 37.73337

```
longitude_x:
mean     -122.416443
std       0.005692
min      -122.431710
25%      -122.420890
50%      -122.416920
75%      -122.412520
max      -122.404500
Name: longitude_x, dtype: float64
```

longitude_x mode: -122.42345

```
price:
mean     189.196226
std     137.095104
min       35.000000
25%     110.000000
50%     150.000000
75%     225.000000
max     1179.000000
Name: price, dtype: float64
```

price mode: 150.0

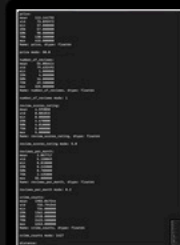
```
number_of_reviews:
mean     67.581132
std     96.521204
min       1.000000
25%       7.000000
50%      22.000000
75%      93.000000
max     568.000000
Name: number_of_reviews, dtype: float64
```

number_of_reviews mode: 1

```
review_scores_rating:
mean     4.825887
std     0.400976
min       0.000000
25%     4.810000
50%     4.920000
75%     5.000000
max     5.000000
Name: review_scores_rating, dtype: float64
```

review_scores_rating mode: 5.0

```
reviews_per_month:
mean     1.944189
std     3.058571
```



```
reviews_per_month:
mean      1.944189
std       3.058571
min       0.010000
25%       0.280000
50%       1.000000
75%       2.340000
max       31.000000
Name: reviews_per_month, dtype: float64
```

reviews_per_month mode: 0.04

```
crime_counts:
mean      4198.796226
std       439.840273
min       2780.000000
25%       3965.000000
50%       4343.000000
75%       4527.000000
max       4758.000000
Name: crime_counts, dtype: float64
```

crime_counts mode: 4356

```
distance:
mean      0.000824
std       0.000431
min       0.000030
25%       0.000516
50%       0.000781
75%       0.001062
max       0.002354
Name: distance, dtype: float64
```

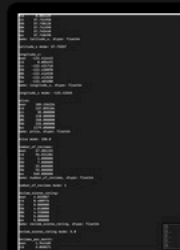
distance mode: 0.0006694978418

```
latitude_x:
mean      37.761920
std       0.003355
min       37.756140
25%       37.759248
50%       37.761580
75%       37.764547
max       37.769230
Name: latitude_x, dtype: float64
```

latitude_x mode: 37.75927

```
longitude_x:
mean      -122.434879
std       0.005109
min       -122.446250
25%       -122.438885
50%       -122.434550
75%       -122.430582
max       -122.425960
Name: longitude_x, dtype: float64
```

longitude_x mode: -122.43292




```
mean      246.440945
std       184.431641
min        10.000000
25%       126.000000
50%       175.500000
75%       299.750000
max       1195.000000
Name: price, dtype: float64
```

price mode: 150.0

```
number_of_reviews:
mean      72.051181
std      108.870964
min        1.000000
25%        6.000000
50%       26.000000
75%       82.750000
max      639.000000
Name: number_of_reviews, dtype: float64
```

number_of_reviews mode: 1

```
review_scores_rating:
mean      4.897677
std       0.180867
min       3.500000
25%       4.870000
50%       4.950000
75%       5.000000
max       5.000000
Name: review_scores_rating, dtype: float64
```

review_scores_rating mode: 5.0

```
reviews_per_month:
mean      1.963622
std       3.973247
min       0.010000
25%       0.260000
50%       0.675000
75%       2.275000
max      43.000000
Name: reviews_per_month, dtype: float64
```

reviews_per_month mode: 0.13

```
crime_counts:
mean     5046.358268
std      190.013838
min     4505.000000
25%     4907.000000
50%     5110.500000
75%     5197.000000
max     5295.000000
Name: crime_counts, dtype: float64
```

crime_counts mode: 5044

```
distance:
mean      0.000769
```



```
distance:
mean      0.000769
std       0.000461
min       0.000046
25%       0.000399
50%       0.000684
75%       0.001050
max       0.002502
Name: distance, dtype: float64
```

```
distance mode: 0.0003198755102
```

```
latitude_x:
mean      37.792456
std       0.002321
min       37.790370
25%       37.790890
50%       37.791430
75%       37.793000
max       37.797690
Name: latitude_x, dtype: float64
```

```
latitude_x mode: 37.79056
```

```
longitude_x:
mean     -122.407274
std       0.001128
min      -122.409880
25%      -122.407970
50%      -122.407100
75%      -122.406545
max      -122.404500
Name: longitude_x, dtype: float64
```

```
longitude_x mode: -122.4071
```

```
price:
mean      190.109890
std       142.615446
min        31.000000
25%        90.000000
50%       149.000000
75%       256.500000
max       864.000000
Name: price, dtype: float64
```

```
price mode: 366.0
```

```
number_of_reviews:
mean      24.846154
std       54.854945
min        1.000000
25%        2.000000
50%        4.000000
75%       11.500000
max      285.000000
Name: number_of_reviews, dtype: float64
```

```
number_of_reviews mode: 1
```


distance mode: 0.0004186587811

Bayview					
price	0.067015	latitude_x	longitude_x	price	number_of_reviews \
rating	-0.026256	-0.129813	1.000000	0.038426	
num_reviews	0.122348	-0.117285	0.203837	-0.292759	
		-0.014043	0.038426	1.000000	
	review_scores_rating	reviews_per_month	crime_counts	distance	
price	0.203837	-0.022892	0.107421	0.032808	
rating	1.000000	-0.106571	-0.019580	0.007727	
num_reviews	-0.292759	0.795299	0.107534	-0.026630	
Bernal Heights					
price	0.074631	latitude_x	longitude_x	price	number_of_reviews \
rating	0.018289	0.140717	1.000000	-0.075591	
num_reviews	0.094245	-0.005979	0.195564	-0.232332	
		0.197020	-0.075591	1.000000	
	review_scores_rating	reviews_per_month	crime_counts	distance	
price	0.195564	-0.039188	0.056764	-0.001376	
rating	1.000000	-0.075665	0.033733	-0.045788	
num_reviews	-0.232332	0.758229	0.061361	0.022828	
Castro/Upper Market					
price	-0.194344	latitude_x	longitude_x	price	number_of_reviews \
rating	0.001253	-0.098583	1.000000	-0.072110	
num_reviews	-0.029191	-0.111214	0.098176	-0.402906	
		-0.020829	-0.072110	1.000000	
	review_scores_rating	reviews_per_month	crime_counts	distance	
price	0.098176	-0.103119	-0.142883	-0.104486	
rating	1.000000	-0.234995	-0.089895	-0.047133	
num_reviews	-0.402906	0.805715	0.000299	0.000412	
Chinatown					
price	-0.383202	latitude_x	longitude_x	price	number_of_reviews \
rating	-0.112355	0.164290	1.000000	-0.293506	
num_reviews	0.234838	-0.298837	0.082050	-0.114775	
		-0.052365	-0.293506	1.000000	
	review_scores_rating	reviews_per_month	crime_counts	distance	
price	0.082050	-0.437570	0.248853	-0.018462	
rating	1.000000	-0.050390	0.227780	0.101795	
num_reviews	-0.114775	0.807534	-0.253652	-0.120691	
Crocker Amazon					
price	0.255579	latitude_x	longitude_x	price	number_of_reviews \
rating	0.064628	0.408480	1.000000	0.532429	
num_reviews	0.258903	0.505796	0.246699	0.291723	
		0.093138	0.532429	1.000000	
	review_scores_rating	reviews_per_month	crime_counts	distance	
price	0.246699	0.526874	0.459803	-0.173302	
rating	1.000000	0.311259	0.475022	-0.007891	
num_reviews	0.291723	0.847831	0.263618	-0.231859	
Diamond Heights					
price	-0.182372	latitude_x	longitude_x	price	number_of_reviews \
rating	-0.729487	0.127660	1.000000	-0.200609	
num_reviews	0.478788	-0.048632	0.152439	0.018237	
		-0.321212	-0.200609	1.000000	
	review_scores_rating	reviews_per_month	crime_counts	distance	
price	0.152439	-0.194530	0.121581	0.006079	

bor_price_mean [('Financial District', 443.18095238095236), ('Presidio', 294.0), ('Russian Hill', 289.8943089430894), ('Marina', 289.6474358974359), ('Twin Peaks', 274.23809523809524), ('Pacific Heights', 267.6311475409836), ('Inner Sunset', 267.16964285714283), ('Diamond Heights', 253.3), ('Glen Park', 253.24489795918367), ('Potrero Hill', 246.53174603174602), ('Castro/Upper Market', 246.44094488188978), ('Noe Valley', 229.82089552238807), ('North Beach', 229.5144927536232), ('Downtown/Civic Center', 223.43762781186095), ('Western Addition', 219.5369318181818), ('Presidio Heights', 216.61904761904762), ('Inner Richmond', 215.3984962406015), ('South of Market', 205.8673469387755), ('Nob Hill', 204.75545851528383), ('Outer Richmond', 196.8796992481203), ('Golden Gate Park', 196.75), ('Haight Ashbury', 195.66949152542372), ('Chinatown', 190.1098901098901), ('Mission', 189.60222222222222), ('Bernal Heights', 189.19622641509434), ('Seacliff', 178.0), ('West of Twin Peaks', 168.4935064935065), ('Parkside', 159.4), ('Outer Mission', 155.1157894736842), ('Outer Sunset', 141.66108786610877), ('Visitacion Valley', 137.1904761904762), ('Lakeshore', 137.1081081081081), ('Excelsior', 113.15533980582525), ('Bayview', 112.14173228346456), ('Ocean View', 105.28205128205128), ('Crocker Amazon', 85.89655172413794)]

bor_numrev_mean [('Golden Gate Park', 173.0), ('Diamond Heights', 127.7), ('Seacliff', 123.0909090909091), ('Visitacion Valley', 99.28571428571429), ('West of Twin Peaks', 95.24675324675324), ('Outer Sunset', 93.56485355648536), ('Outer Richmond', 87.69924812030075), ('Potrero Hill', 81.87301587301587), ('Crocker Amazon', 81.34482758620689), ('Parkside', 80.27368421052631), ('Inner Richmond', 74.86466165413533), ('Financial District', 74.67619047619047), ('Castro/Upper Market', 72.05118110236221), ('Excelsior', 70.45631067961165), ('Presidio', 69.0), ('Lakeshore', 68.32432432432432), ('Bernal Heights', 67.5811320754717), ('Twin Peaks', 67.28571428571429), ('Haight Ashbury', 67.05508474576271), ('Outer Mission', 60.67368421052632), ('Noe Valley', 59.81592039800995), ('Presidio Heights', 57.80952380952381), ('Mission', 57.45333333333333), ('Inner Sunset', 56.151785714285715), ('Bayview', 56.08661417322835), ('Glen Park', 54.06122448979592), ('Pacific Heights', 53.84426229508197), ('Western Addition', 52.56534090909091), ('Ocean View', 48.98717948717949), ('Marina', 43.63461538461539), ('North Beach', 42.06521739130435), ('Russian Hill', 40.89430894308943), ('South of Market', 27.782312925170068), ('Chinatown', 24.846153846153847), ('Downtown/Civic Center', 21.404907975460123), ('Nob Hill', 19.777292576419214)]

bor_crime_mean [('Seacliff', 4.90090909090909), ('Castro/Upper Market', 4.897677165354332), ('Potrero Hill', 4.86468253968254), ('Presidio', 4.8625), ('Noe Valley', 4.83955223880597), ('Parkside', 4.838210526315789), ('West of Twin Peaks', 4.827792207792208), ('Bernal Heights', 4.825886792452831), ('Glen Park', 4.81734693877551), ('Inner Sunset', 4.816071428571428), ('Excelsior', 4.8030097087378625), ('Western Addition', 4.797017045454545), ('Russian Hill', 4.792113821138212), ('Visitacion Valley', 4.791666666666667), ('Diamond Heights', 4.773999999999999), ('Mission', 4.764288888888889), ('Presidio Heights', 4.76047619047619), ('Outer Richmond', 4.760375939849624), ('Ocean View', 4.755128205128205), ('Haight Ashbury', 4.754025423728813), ('Outer Sunset', 4.751506276150628), ('Golden Gate Park', 4.7425), ('Inner Richmond', 4.741203007518797), ('Pacific Heights', 4.715163934426229), ('Twin Peaks', 4.712380952380952), ('Crocker Amazon', 4.705172413793104), ('Lakeshore', 4.7043243243243245), ('Nob Hill', 4.702096069868995), ('North Beach', 4.700942028985508), ('South of Market', 4.6804421768707485), ('Marina', 4.642820512820513), ('Outer Mission', 4.6250526315789475), ('Bayview', 4.593858267716535), ('Financial District', 4.572666666666667), ('Chinatown', 4.56054945054945), ('Downtown/Civic Center', 4.544294478527607)]

bor_rating_mean [('Mission', 5048.866666666667), ('Castro/Upper Market', 5046.358267716535), ('Western Addition', 4902.826704545455), ('Noe Valley', 4695.124378109453), ('Downtown/Civic Center', 4614.678936605317), ('Haight Ashbury', 4612.949152542373), ('South of Market', 4612.8877551020405), ('Potrero Hill', 4587.5), ('Pacific Heights', 4542.647540983607), ('Nob Hill', 4510.065502183406), ('Chinatown', 4407.2967032967035), ('Financial District', 4375.552380952381), ('Russian Hill', 4223.739837398374), ('Bernal Heights', 4198.796226415095), ('Marina', 4176.897435897436), ('North Beach', 4108.253623188406), ('Presidio Heights', 3952.6666666666665), ('Twin Peaks', 3937.9761904761904), ('Diamond Heights', 3646.6), ('Glen Park', 3636.408163265306), ('Presidio', 2975.75), ('Golden Gate Park', 2550.0), ('Inner Sunset', 2527.2589285714284), ('Inner Richmond', 2487.8270676691727), ('Excelsior', 2113.009708737864), ('Bayview', 1983.0472440944882), ('West of Twin Peaks', 1978.6363636363637), ('Outer Mission', 1873.72631578947

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518797), ('Seacliff', 583.2727272727273)]  
bor_dis_mean [('Lakeshore', 0.0014677763839135135), ('West of Twin Peaks', 0.001461068  
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, ('Golden Gate Park', 0.001343832715), ('Outer Sunset', 0.0013279388140669454), ('Pr  
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2613653227471428), ('Outer Richmond', 0.00123236769444), ('Diamond Heights', 0.0012101  
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3), ('Outer Mission', 0.0011715473344278947), ('Glen Park', 0.0011431020068836735), ('  
Inner Sunset', 0.00112798022494625), ('Visitacion Valley', 0.0010826952356476193), ('I  
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0.0005981767378292682), ('Mission', 0.0005795497811858221), ('South of Market', 0.0005  
316009711736054), ('Nob Hill', 0.0005102318165909606), ('Chinatown', 0.000410312616715  
9341), ('Financial District', 0.0003577416125839047), ('Downtown/Civic Center', 0.0003  
551150288183845)]
```

```
>>> □
```