In [1]:	<pre>import pandas us pa import numpy as np from matplotlib import pyplot as plt import matplotlib</pre>
In [2]:	df1.head()
Out[2]:	location size sqft bath price 0 Namuja 2 1056 2 4.69 1 Dhorompur 4 2600 3 1.50 2 Tangra 3 1440 2 10.95 3 Hukmapur 3 1521 2 0.56
In [3]:	4 Boro sorolpur 2 1200 2 5.40
Out[3]: In [4]: Out[4]:	location 0
In [5]:	size 0 sqft 0 bath 0 price 0 dtype: int64 df1.shape
	(247, 5) df1['size'].unique()
Out[6]: In [7]: Out[7]:	uri i i i i i i i i i i i i i i i i i i
out[/].	0 Namuja 2 1056 2 4.69 1 Dhorompur 4 2600 3 1.50 2 Tangra 3 1440 2 10.95 3 Hukmapur 3 1521 2 0.56
	4 Boro sorolpur 2 1200 2 5.40 df1['size'].unique()
In [9]:	array([1056, 2600, 1440, 1521, 1200, 1170, 2732, 3300, 1310, 1020, 1800,
	2785, 1000, 1100, 2250, 1175, 1180, 1540, 2770, 600, 1755, 2800, 1767, 510, 1250, 660, 1610, 1151, 1025, 1500, 1407, 840, 4395, 845, 5700, 1160, 3000, 1140, 1220, 1350, 1005, 500, 1358, 1569, 1240, 2089, 1206, 1150, 2511, 460, 4400, 1660, 1326, 1325, 1499, 1665, 708, 1060, 710, 1450, 1296, 2894, 1330, 2502, 650, 2400, 1007, 966, 1630, 1640, 782, 1260, 1413, 1116, 1530, 3700, 2497, 1436, 270, 1344, 1704, 1007, 1846, 1340, 1380, 450, 1152, 1550, 400, 1705, 770, 1344, 1700, 1344, 1704, 1007, 1846, 1340, 1337, 1186, 1340, 1344, 1704, 1007, 1846, 1340, 1337, 1186, 1340, 1344, 1704, 1007, 1846, 1340, 1337, 1186, 1340
	705, 770, 1242, 1700, 2144, 1704, 1070, 1846, 1340, 1327, 1186, 1783, 1400, 980, 1285, 912, 1225, 1075, 1282, 1909, 1359, 1207, 1736, 2850, 1595, 1798, 1475, 1580, 1295, 3600, 589, 1415, 1787, 2000, 984, 2405, 1080, 1900, 805, 1153, 1148, 1110, 1290, 1933, 3500, 645, 1644, 1577, 4050, 2420, 800, 1270, 900, 1280, 1108, 3045, 2900, 1162, 1035, 1600, 1464, 700, 1804, 913, 1868, 883, 1664, 2026, 1210, 4111, 1762, 1252, 861, 1420, 1490, 1084, 1015, 1017, 1027, 1069, 1349, 1417, 950, 880, 1863, 1010, 1847, 525,
	1850, 1438, 1560, 850, 1113, 1385, 1050], dtype=int64) df1.loc[31] location Nuruil
In [11]:	$a_1 = a_1 + a_2 + a_3 + a_4 $
Out[11]:	<pre>df5['price_per_sqft'] = df5['price']*100000/df5['sqft'] df5.head() location size sqft bath price price_per_sqft 0 Namuja 2 1056 2 4.69 444.128788</pre>
	1 Dhorompur 4 2600 3 1.50 57.692308 2 Tangra 3 1440 2 10.95 760.416667 3 Hukmapur 3 1521 2 0.56 36.817883 4 Boro sorolpur 2 1200 2 5.40 450.000000
In [12]: Out[12]:	
In [13]: Out[13]: In [14]:	247
Out[14]:	location_stats = df5.groupby('location')['location'].agg('count').sort_values(ascending=False) location_stats location Shakpala 2 Barbakpur 2
	Chandai 2 Dhekra 2 Bhandar Paika 2 Dogaria 1 Doikandi 1 Domonpukur 1
In [15]:	Durgapur 1 koigari 1 Name: location, Length: 229, dtype: int64 len(location_stats[location_stats<=10])
Out[15]:	<pre>location_stats_less_than_10 = location_stats[location_stats<=10] location_stats_less_than_10</pre>
Out[16]:	location Shakpala 2 Barbakpur 2 Chandai 2 Dhekra 2 Bhandar Paika 2
Tn ⁻	Dogaria 1 Doikandi 1 Domonpukur 1 Durgapur 1 koigari 1 Name: location, Length: 229, dtype: int64
In [17]: Out[17]: In [18]:	229
Out[18]:	
	Z Tangra 3 1440 2 10.95 760.416667 3 Hukmapur 3 1521 2 0.56 36.817883 4 Boro sorolpur 2 1200 2 5.40 450.00000 5 Dholmohini 2 1170 2 0.94 80.341880 6 Polibari 4 2732 3 0.50 18.301611
	7 Chingaspur 5 3300 3 1.45 43.939394 8 Mathura 2 1310 2 0.24 18.320611 9 Bamonpara 2 1020 2 0.20 19.607843
In [19]: Out[19]:	location size sqft bath price price_per_sqft 0 Namuja 2 1056 2 4.69 444.128788
	1 Dhorompur 4 2600 3 1.50 57.692308 2 Tangra 3 1440 2 10.95 760.416667 3 Hukmapur 3 1521 2 0.56 36.817883 4 Boro sorolpur 2 1200 2 5.40 450.000000
	(247, 6)
In [21]: Out[21]:	count 247.000000 mean 387.068747 std 964.911855 min 4.912281 25% 31.899785
In [22]:	50% 90.731707 75% 305.527153 max 11477.079796 Name: price_per_sqft, dtype: float64 import matplotlib
Out[22]:	<pre>matplotlib.rcParams['figure.figsize'] = (20,10) plt.hist(df5.price_per_sqft, rwidth=0.8) plt.xlabel('Price Per Square feet') plt.ylabel('Count')</pre> Text(0, 0.5, 'Count')
	200 -
	150 -
	Count Count
	50 -
In [23]:	0 2000 4000 8000 10000 Price Per Square feet df5.bath.unique()
Out[23]: In [24]:	array([2, 3, 1, 4], dtype=int64) # df8[df8.bath>10]
In [25]:	<pre>plt.hist(df5.bath, rwidth=0.8) plt.xlabel('Number of bathrooms') plt.ylabel('Count')</pre> Text(0, 0.5, 'Count')
Out[25]:	
Out[25]:	175 -
Out[25]:	150 -
Out[25]:	150 -
Out[25]:	150 - 125 - Eg 100 -
Out[25]:	150 - 125 - 150 - 75 -
Out[25]:	115 125 20 25 30 35 40
In [26]:	# 070[070. batthodft. slze=2]
In [26]:	3 300- 3
In [26]: In [27]:	### 155
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