iPhone_Sales_Analysis_using_Python

62.000000

80073.887097

34310.446132

29999.000000

49900.000000

75000 000000

mean

std

min

25%

E 0 0

62.000000

88058.064516

34728.825597

39900.000000

54900.000000

70000 000000

```
In [10]:
import pandas as pd
import numpy as np
import plotly.express as px
import plotly.graph objects as go
data = pd.read csv("apple products.csv")
print(data.head())
                              Product Name
0
         APPLE iPhone 8 Plus (Gold, 64 GB)
1 APPLE iPhone 8 Plus (Space Grey, 256 GB)
2 APPLE iPhone 8 Plus (Silver, 256 GB)
3
          APPLE iPhone 8 (Silver, 256 GB)
4
             APPLE iPhone 8 (Gold, 256 GB)
                                       Product URL Brand Sale Price
0 https://www.flipkart.com/apple-iphone-8-plus-g... Apple
                                                               49900
  https://www.flipkart.com/apple-iphone-8-plus-s... Apple
                                                               84900
  https://www.flipkart.com/apple-iphone-8-plus-s... Apple
                                                               84900
3 https://www.flipkart.com/apple-iphone-8-silver... Apple
                                                                77000
4 https://www.flipkart.com/apple-iphone-8-gold-2... Apple
                                                                77000
    Mrp Discount Percentage Number Of Ratings Number Of Reviews
                                           3431
  49900
                           0
                                           3431
                                                              356
1
  84900
                           0
2
  84900
                           0
                                          3431
                                                              356
3
  77000
                           0
                                         11202
                                                              794
                                                              794
  77000
                                         11202
               Upc Star Rating Ram
0 MOBEXRGV7EHHTGUH 4.6 2 GB
1 MOBEXRGVAC6TJT4F
                           4.6 2 GB
 MOBEXRGVGETABXWZ
                           4.6 2 GB
3 MOBEXRGVMZWUHCBA
                           4.5 2 GB
                           4.5 2 GB
4 MOBEXRGVPK7PFEJZ
In [11]:
print(data.isnull().sum())
Product Name
Product URL
                      0
Brand
Sale Price
Discount Percentage
                     0
Number Of Ratings
                      0
Number Of Reviews
Upc
Star Rating
                      0
dtype: int64
In [12]:
print(data.describe())
         Sale Price
                               Mrp Discount Percentage Number Of Ratings \
```

62.000000

9.951613

7.608079

0.000000

6.000000

10 000000

62.000000

22420.403226

33768.589550

542.000000

740.000000

2101 000000

```
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つUて
        /5900.000000
                                                TO.UUUUUU
                                                                 ZIUI.UUUUUU
75%
       117100.000000 120950.000000
                                                14.000000
                                                                43470.000000
       140900.000000 149900.000000
                                                29.000000
                                                                95909.000000
max
       Number Of Reviews Star Rating
               62.000000
                            62.000000
count
             1861.677419
                             4.575806
mean
             2855.883830
                             0.059190
std
               42.000000
                             4.500000
min
25%
               64.000000
                             4.500000
50%
              180.000000
                             4.600000
75%
             3331.000000
                             4.600000
max
             8161.000000
                             4.700000
```

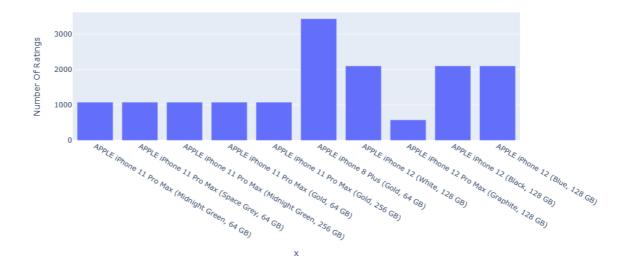
In [14]:

```
17
           APPLE iPhone 11 Pro Max (Space Grey, 64 GB)
16
      APPLE iPhone 11 Pro Max (Midnight Green, 256 GB)
15
                 APPLE iPhone 11 Pro Max (Gold, 64 GB)
14
                APPLE iPhone 11 Pro Max (Gold, 256 GB)
0
                     APPLE iPhone 8 Plus (Gold, 64 GB)
29
                       APPLE iPhone 12 (White, 128 GB)
32
            APPLE iPhone 12 Pro Max (Graphite, 128 GB)
35
                       APPLE iPhone 12 (Black, 128 GB)
                        APPLE iPhone 12 (Blue, 128 GB)
36
```

Name: Product Name, dtype: object

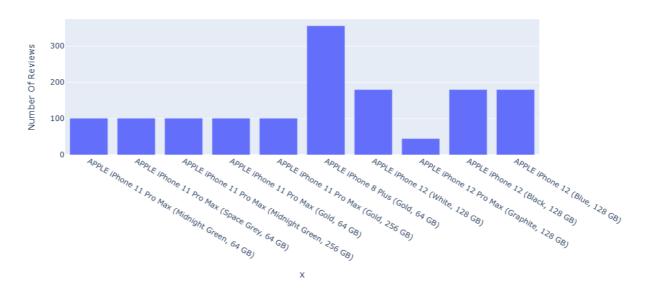
In [16]:

Number of Ratings of Highest Rated iPhones



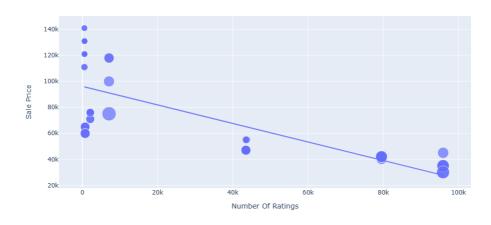
In [7]:

Number of Reviews of Highest Rated iPhones



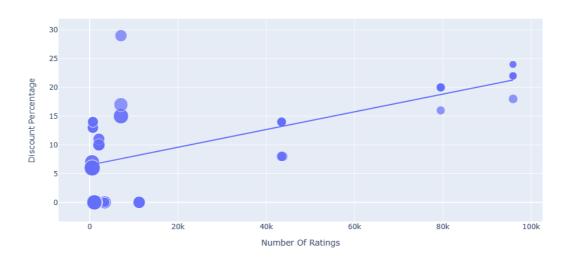
In [17]:

Relationship between Sale Price and Number of Ratings of iPhones



In [9]:

Relationship between Discount Percentage and Number of Ratings of iPhones



THANK YOU!

GitHub Link: https://github.com/anujtiwari21?tab=repositories