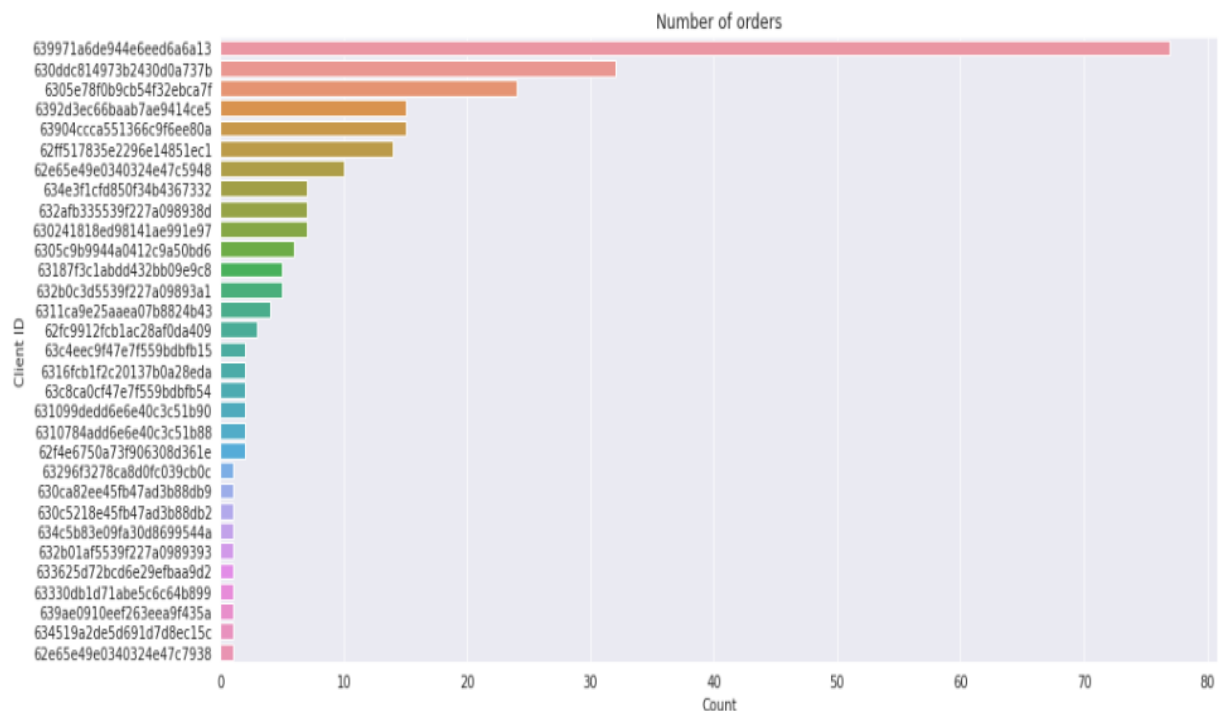A BRIEF ANALYSIS REPORT ON THE ORDERS DATA.

We can get the following insights from the data:

1. Which clients have placed the most orders

2. Which locations have the most orders from clients

3. How many orders have been paid for and how much has been paid?
4. Value in kshs of orders placed by a client
5. How often are orders of a specific amount placed?
6. Status of the orders
7. Which clients give the highest commission?

1. Which clients have placed the most orders

We get this insight based on the client id and correlate it with how often they have placed orders.
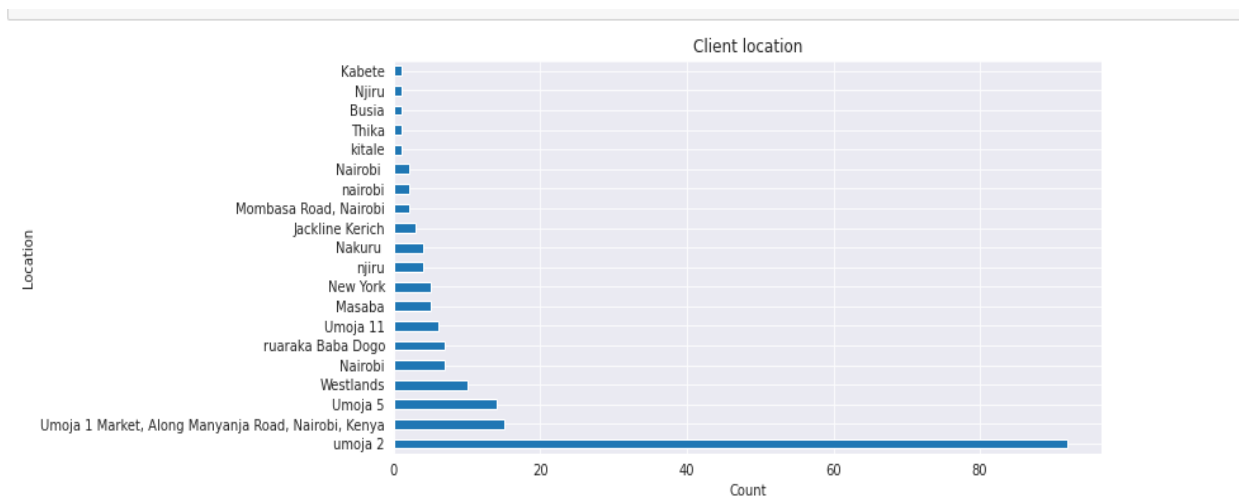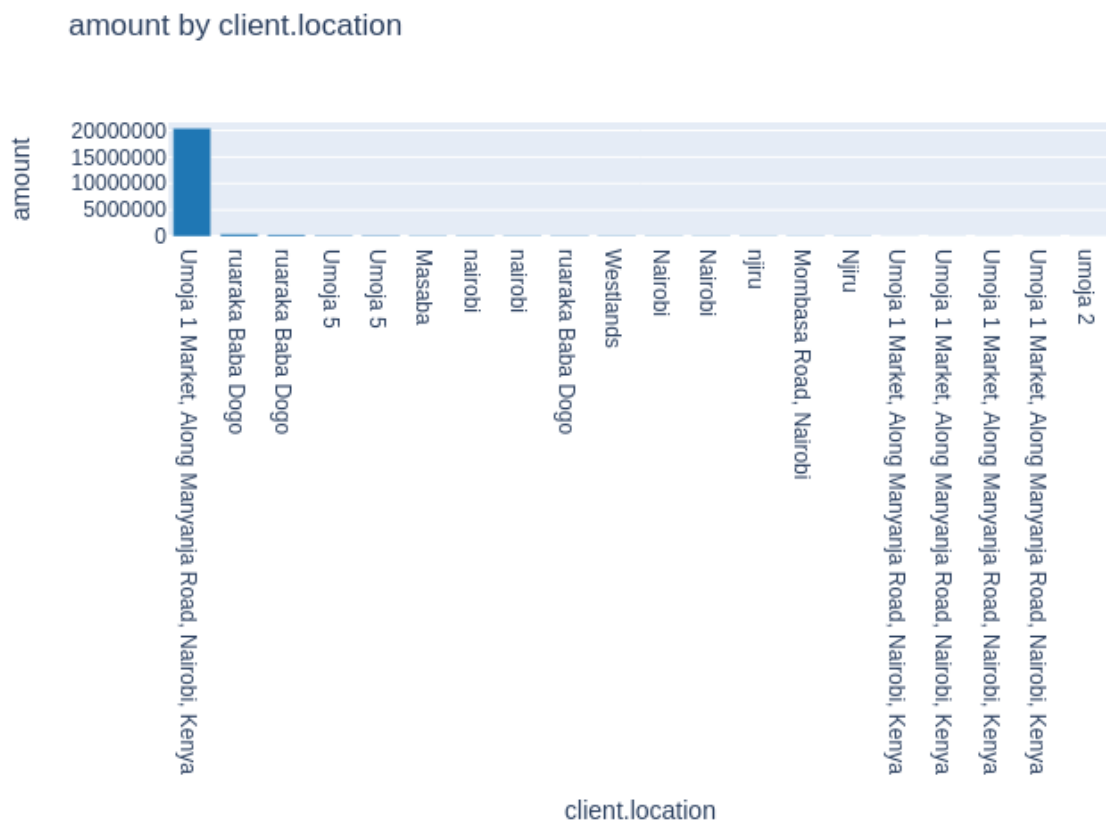

We can see that client id **639971a6de944e6eed6a6a13** placed **77 orders**

2. Which location has the most orders

This is achieved by visualising a specific location and how often it occurs in the data.

```
:  umoja 2                                                    92
   Umoja 1 Market, Along Manyanja Road, Nairobi, Kenya        15
   Umoja 5                                                    14
   Westlands                                                  10
   Nairobi                                                     7
   ruaraka Baba Dogo                                           7
   Umoja 11                                                    6
   Masaba                                                      5
   New York                                                    5
   njiru                                                       4
   Nakuru                                                      4
   Jackline Kerich                                             3
   Mombasa Road, Nairobi                                       2
   nairobi                                                     2
   Nairobi                                                     2
   kitale                                                      1
   Thika                                                       1
   Busia                                                       1
   Njiru                                                       1
   Kabete                                                      1
```
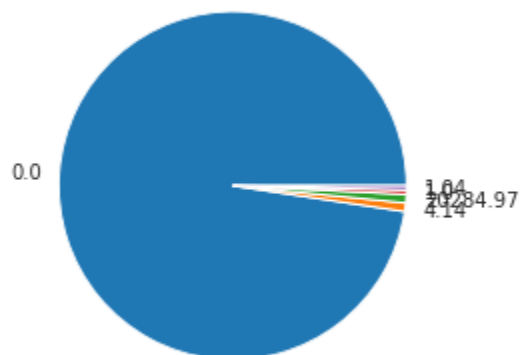

Client location

amount by client.location

From this analysis we can conclude that Umoja 1 is where we have the most reach at

3.How many orders have been paid for and how much has been paid?
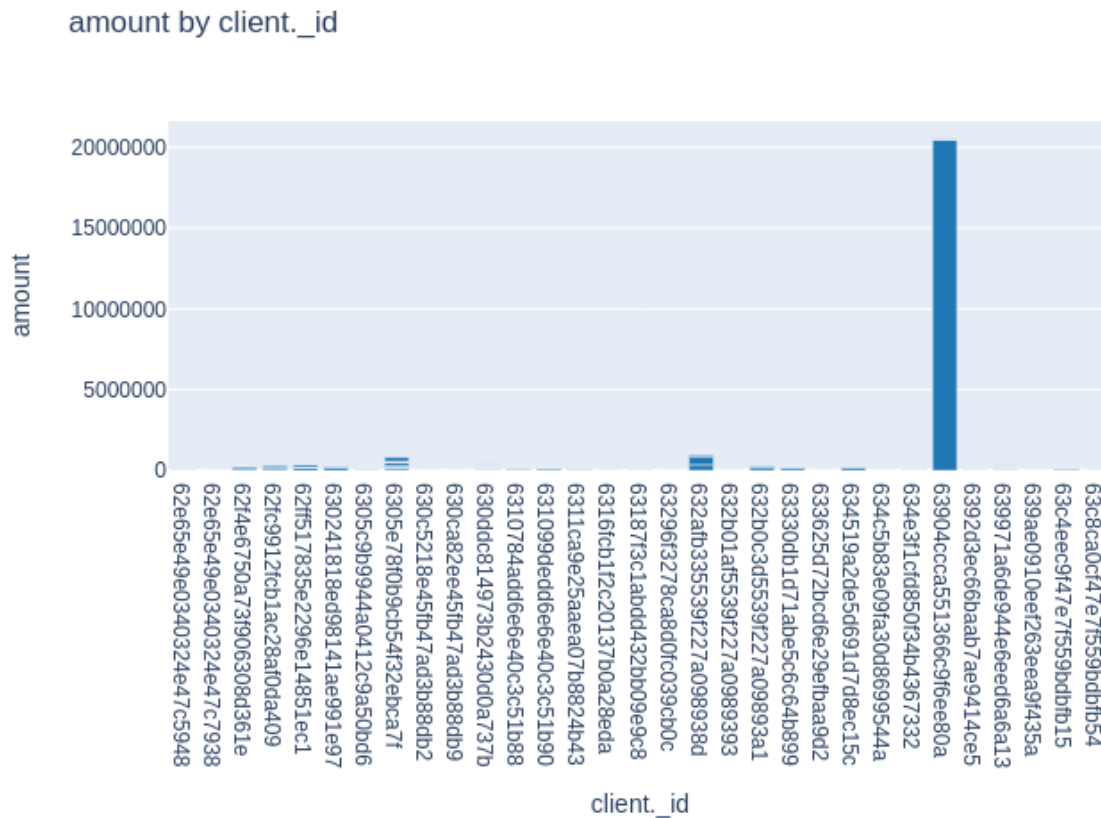
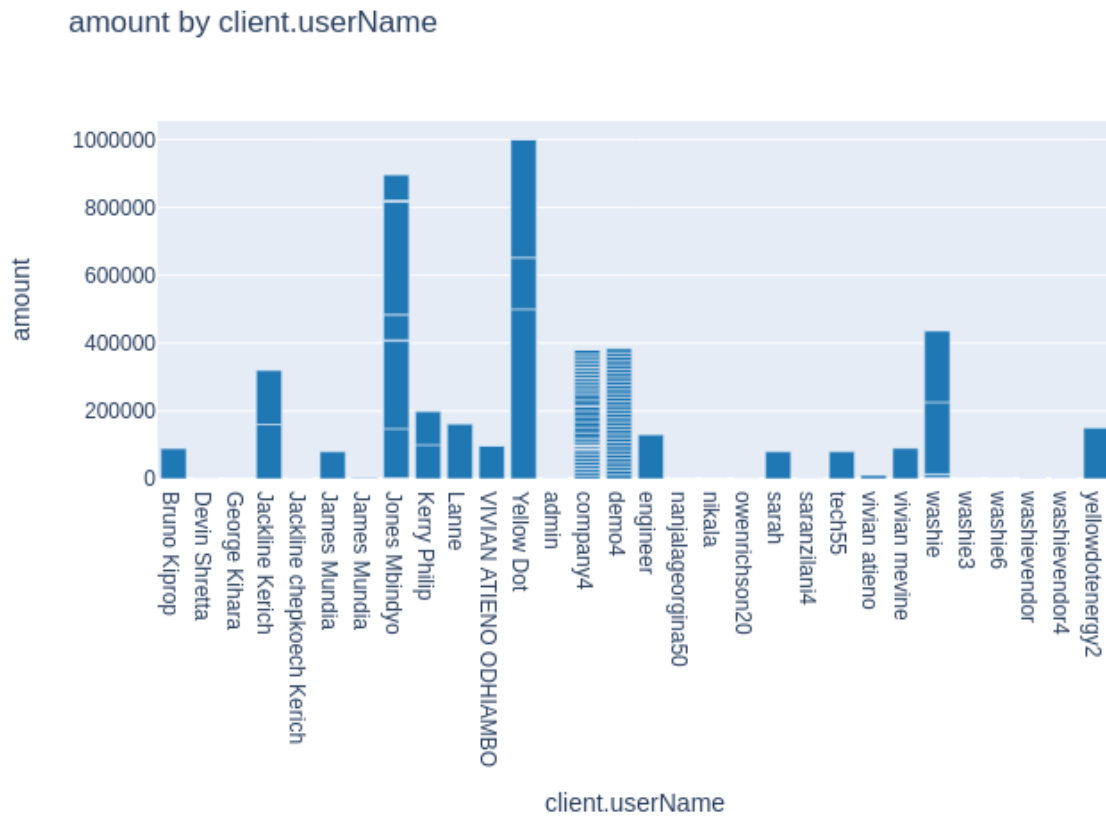| Amount in Kshs	No.of people who've paid
0.0	247
4.14	2
20284.97	2
1.00	1
1.04	1

Pie Chart of amounts paid

There are many orders but very few have been paid for. Only 6 clients have paid. A total of 247 clients have not made any payment

4. Value in kshs of orders placed by a client

amount by client._id

It is possible to identify the client who placed the order worth the highest amount as illustrated above based on their client ID.

amount by client.userName

Here we visualise which client has the orders with the highest value of amounts based on their name. Yellow dot has placed orders totalling to the highest amount.

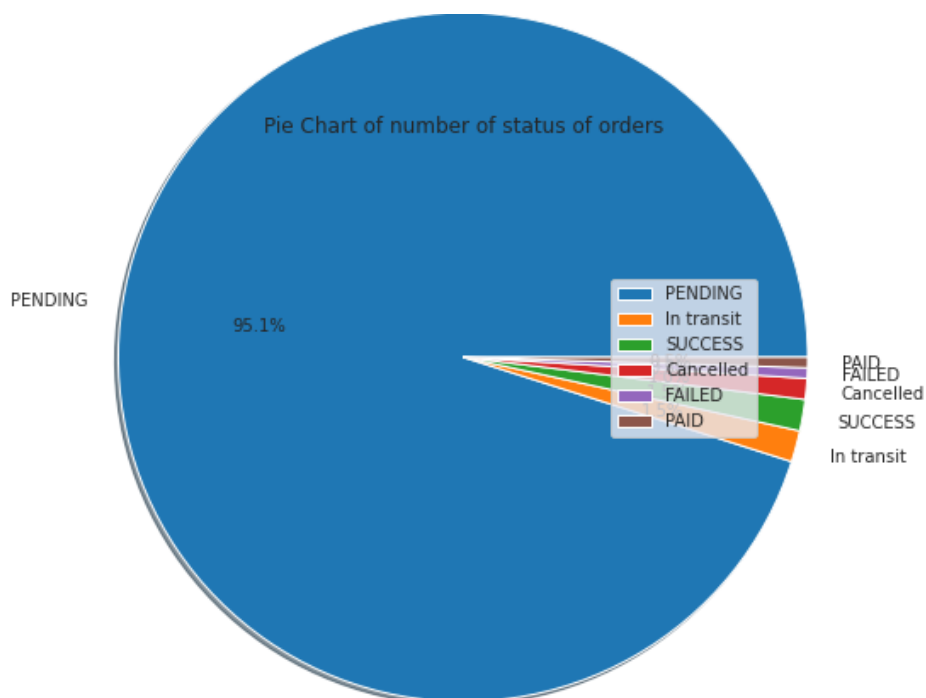## 5. How often are orders of a specific amount placed?

Amount in Kshs	Number of orders valuing this amount
1	88
12000	32
10002	24
2	17
5	13
0	11
16001	9
100000	6
3	5
180	5
19599	4
4	3
80000	3
75099	2
3000	2
360	2
160002	2
27	2
450	2
150002	1
4002	1
90637	1
10	1
212008	1
212005	1
14	1
10006	1
10001	1
145012	1
90	1
2180	1
153002	1
500002	1
350000	1
130000	1
334100	1
259001	1
163097	1
90000	1
20456789	1

From this, we can see most of our orders are valued at 1 Kshs and only one order was totaling to 20,456,789

6. Status of the orders

```
]:  PENDING        194
    In transit       3
    SUCCESS          3
    Cancelled        2
    FAILED           1
    PAID             1
```
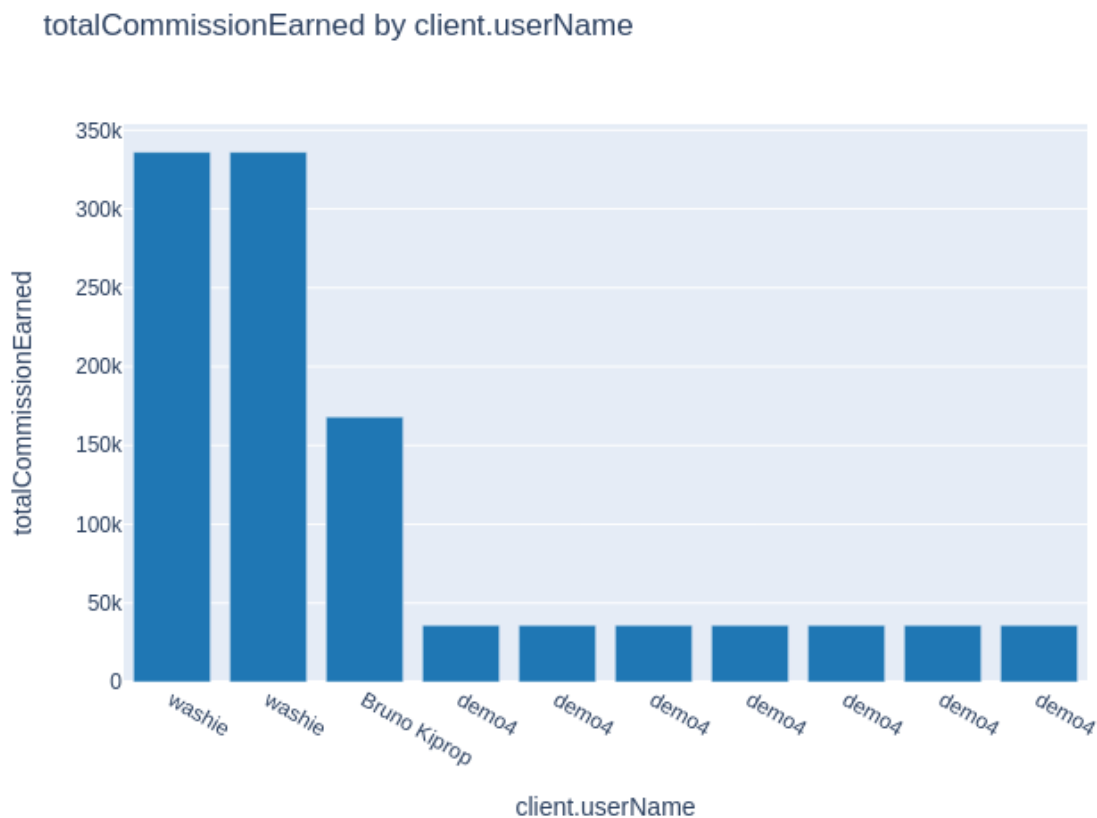
This is a report of the status of the orders that have been placed.

Pie Chart of number of status of orders

A total of 194 orders are pending and only 3 orders have been successfully completed.

7.Which clients give the highest commission?

totalCommissionEarned by client.userName

Washie is the client who gave the most commission.

With real data, we are able to generate multiple reports that can be used to evaluate the business status of the organisation and come up with valid conclusions while being able to make adjustments on areas where the performance is not as it is desired based on numbers and not general assumptions