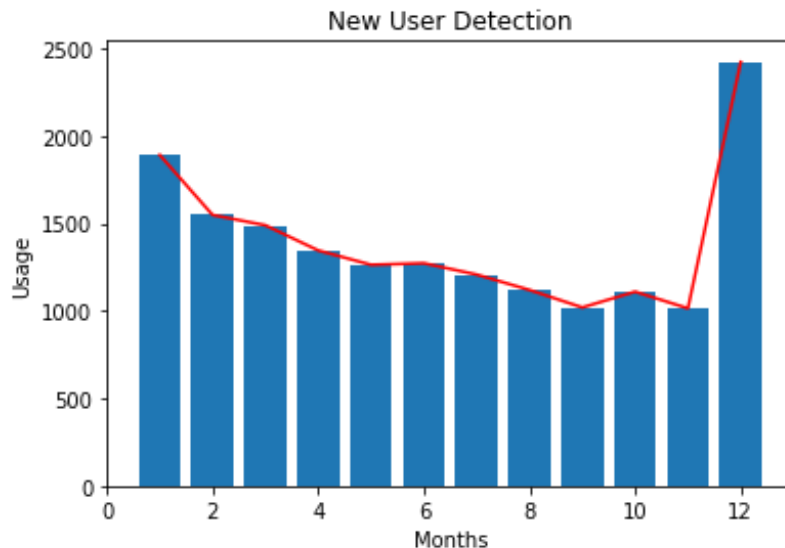


# Urban Clap Intern

## Solution: 1

Following is the graph plotted between new user usage and months.



## **Some insights we can draw from the graph:**

- The number of new users generally keep decreasing as the year progresses
- Highest number of new users were in December-2017 i.e. 1892
- Lowest number of new users were in November-2018 i.e. 1015
- There is a slight increase in number of users in the months of June and October

## Solution: 2

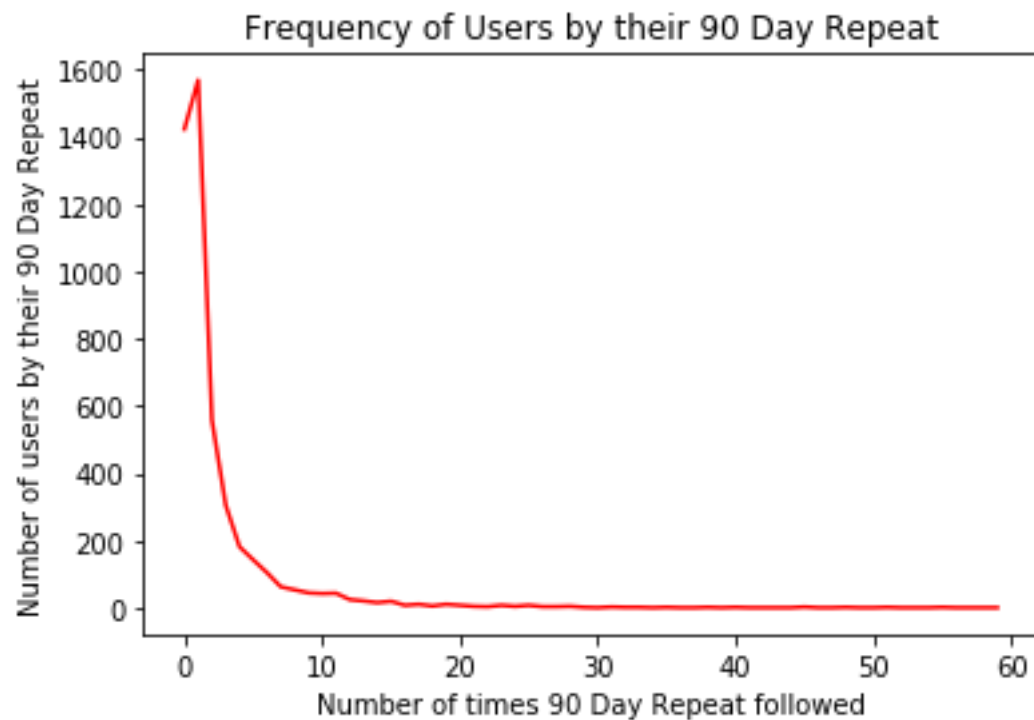
The percentage of users having a 30 day repeat in December is 16.83% ~ 17.00%

## Solution: 3

Hence the 90 day repeat rate of January, February and March are 38.20%, 21.42% and 15.96% ~ 38%, 21% and 16% respectively, which is decreasing rapidly.

### Solution: 5

Following is the graph plotted between new user usage and months.



### Solution: 4

Accuracy of the Logistic Regression Model is: 89.71717550103016 %

More detailed description step by step is explained in python file attached with this file. Description and step by step solution is marked in ipython file attached. I have also uploaded it on github. Link is given below:

<https://github.com/raja17021998/analytics-data>

