Customer Retention

Customer retention refers to the activities and actions companies and organizations take to reduce the number of customer defections. The goal of customer retention programs is to help companies retain as many customers as possible, often through customer loyalty and brand loyalty initiatives. It is important to remember that customer retention begins with the first contact a customer has with a company and continues throughout the entire lifetime of the relationship.

The next few slides contain observations from collected from the Indian online shoppers. Results indicate the e-retail success factors, which are very much critical for customer satisfaction.

Let us go through few factors which help in determining the success behind an Online Platform

Required Libraries:

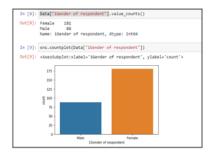
```
In [1]: import pandas as pd import seaborn as sns import matplotlib.pyplot as plt import warnings warnings. filterwarnings('ignore') #Importing the necessary Libraries

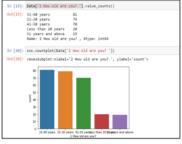
Loading the dataset:
```

In [3]: Data=pd.read_excel("Customer Retention.xlsx") # Loading the dataset

1st Observation:

Majority of the online shopping is done by females and the age group is between 21 to 40 from Delhi, Noida and Greater Noida region. This is the range of the target audience who mainly involve in Online Shopping.







Target Variable

The main target variable which helped us to understand whether a particular customer has been retained or churned. The below data shows us how long a customer has been retained and in the later part of the dataset all comparisons have been done keeping this in mind. For the betterment, I have transformed the below years into numbers.

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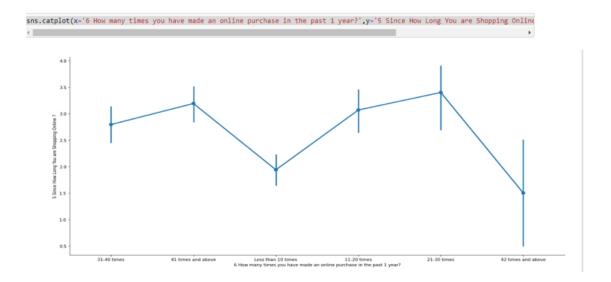
Less than 1 year':0,'1-2 years':1,'2-3 years':2,'3-4 years':3,'Above 4 years':4})

```
In [30]: Data['5 Since How Long You are Shopping Online ?'].value_counts()|

Out[30]: Above 4 years 98
2-3 years 65
3-4 years 47
Less than 1 year 43
1-2 years 16
Name: 5 Since How Long You are Shopping Online ?, dtype: int64

This column directly gives us an idea on customer behaviour. We need to observe the answers of customers who are using online shopping platform over 4 years to get an idea as to what are the factors that worked favourable for them as well as the customers who are using the platform for 4 years or less to understand what are the scenarios which did not work for them
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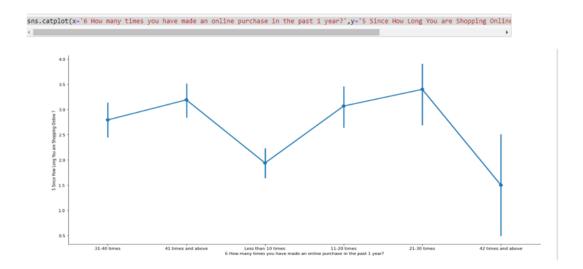
Number of times a customer made online purchase last year



Observation

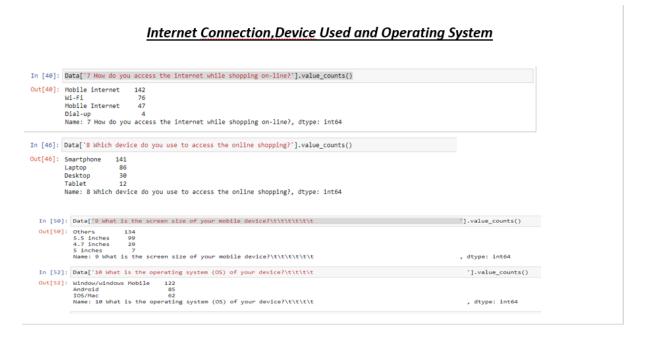
From the data in the previous page it is observed that customers who have been retained visited the platform maximum around 31 times however maximum visits of 42 times and above have been given by those who are maximum 2-2.5 years old. Therefore, visiting a page numerous time will not give an idea whether the customer can be retained.

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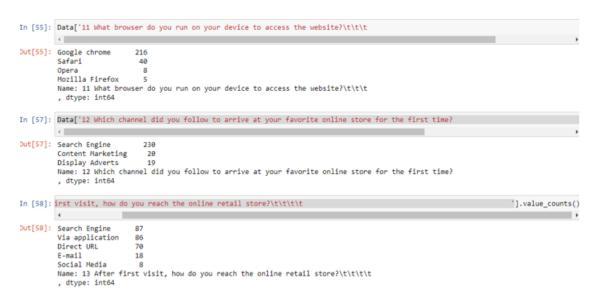
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Observation

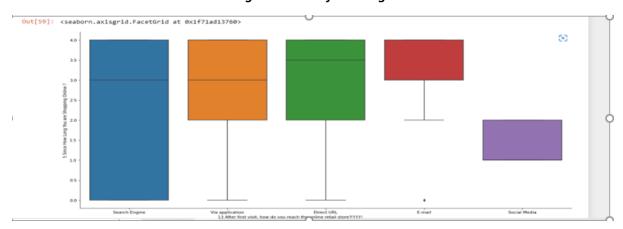
 Majority of the customers use Wifi and mobile internet on their smart phone and laptop with a normal screen size from their windows/android device. Therefore all the sites should be made in such a way which is compatible with the user's device by not slowing it down or by using huge internet.

Online Sites



Observation

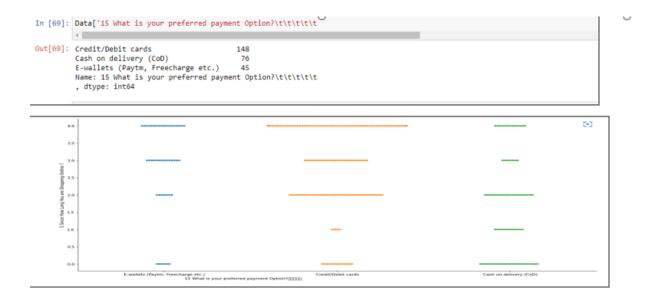
 Majority of the customers are able to know about an online platform from their search engines (mainly Chrome) and interestingly social media platform have taken a backseat here when it comes to retaining a customer for a long time.



<u>Time Taken: Majority of the customers spend minimum 15 mins behind every choice</u>



<u>Mode of Payment:</u> Customers who are retained usually go for Debit/Card transaction whereas majority of the customers between the period of 1-2 years go for Cash on Delivery (COD).



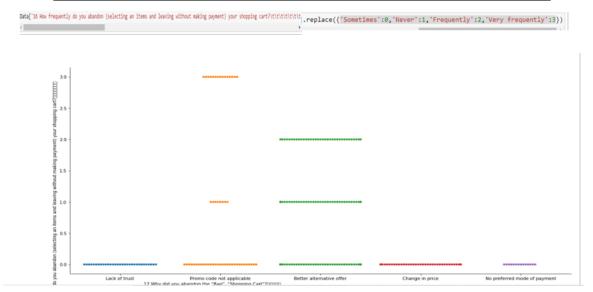
Frequency of Abandoning the cart

• Data has been replaced in the following mode: 'Sometimes':0,'Never':1,'Frequently':2,'Very frequently':3

Reasons for abandoning:

The common reason for customer abandoning the cart is they have received better alternate offer. In the next slide we will see what made the customer abandon the cart frequently/sometimes/never/very frequently

Reasons for abandoning: Best Alternate Offer and Promo Code Not Applicable



Customer Remarks and Opinions

Content must be easy to write and understand

```
Out[82]: Strongly agree (5) 164
Agree (4) 80
Strongly disagree (1) 18
Indifferent (3) 7
Name: 18 The content on the website must be easy to read and understand, dtype: int64

In [83]: sns.countplot(Data['18 The content on the website must be easy to read and understand'])
Out[83]: <a href="https://documents.org/lines/Agree/4">Agree (4)</a> Strongly agree (3) 164

In [83]: sns.countplot(Data['18 The content on the website must be easy to read and understand'])
Out[83]: <a href="https://documents.org/lines/Agree/4">Agree (4)</a> Strongly agree (3) Indifferent (3)

In [83]: Indifferent (3) 160

Agree (4) Strongly agree (3) Indifferent (3) 18 The content on the website must be easy to read and understand')

In [83]: Indifferent (3) 160

Agree (4) Strongly agree (3) Indifferent (3) 18 The content on the website must be easy to read and understand')

In [83]: Indifferent (3) 160

Agree (4) Strongly agree (3) Indifferent (3) 18 The content on the website must be easy to read and understand')
```

```
In [85]: Data['19 Information on similar product to the one highlighted is important for product comparison'].value_counts()
Out[85]: Strongly agree (5)
                                   116
          Agree (4)
Indifferent (3)
                                    92
43
          Dis-agree (2) 18
Name: 19 Information on similar product to the one highlighted is important for product comparison, dtype: int64
In [86]: Data['21 All relevant information on listed products must be stated clearly'].value_counts()
Out[86]: Agree (4)
                                      132
          Strongly agree (5)
Strongly disagree (1)
                                      18
          Name: 21 All relevant information on listed products must be stated clearly, dtype: int64
In [88]: Data['22 Ease of navigation in website'].value_counts()
Out[88]: Strongly agree (5)
          Agree (4)
          Strongly disagree (1) 18
Dis-agree (2) 5
Name: 22 Ease of navigation in website, dtype: int64
```

- 1. Similar Product Information for comparison is important
- 2. All relevant information should be listed.
- 3. Ease of navigation in Website

- 1. Speed in Loading and Processing.
- 2. User Friendly Interface.
- 3. Convinient Payment methods

Trust, Empathy and Customer Privacy

Responsiveness, Monetary Benefits and Enjoyment

Convinient and Flexible/Return and Replacement Policy/Access to Loyalty Programs

Deriving Satisfaction

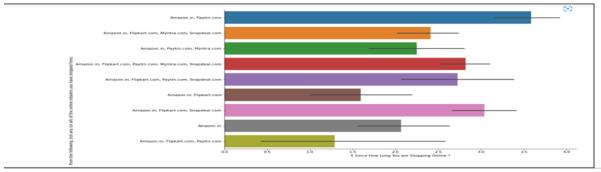
Wide Product Variety/Complete product Information/Monetory Savings

Opinions on Few Online Retailers

(Comparison has been made taking public's opinion as well customers who have been retained by the online platforms)

Commonly Used Online Platform

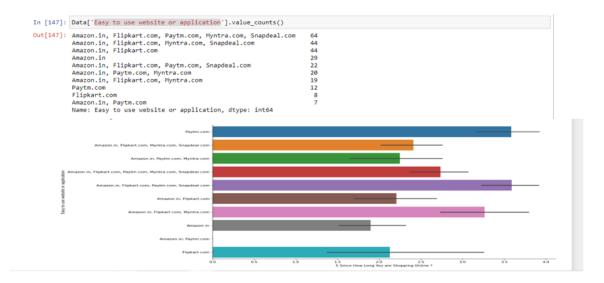




Observation:

- Amazon, Myntra, Paytm, Flipkart Snapdeal are mostly used
- In the above list however Amazon in and Paytm has retained more customers

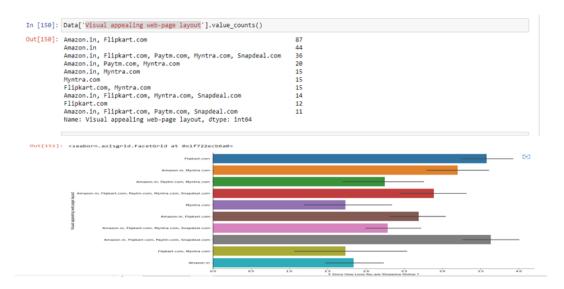
Easy to use website or application



Observation:

 Amazon, Myntra, Paytm, Flipkart Snapdeal are easiest to use and has also helped in retaining customers

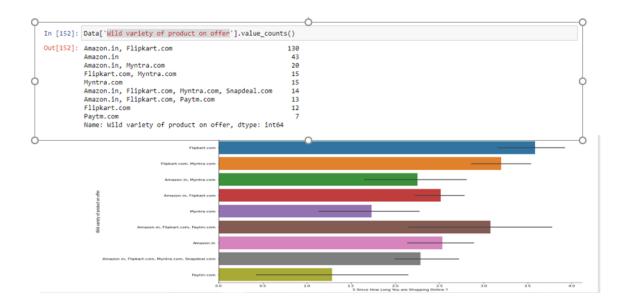
Appealing Web Layout:



Observation:

- In terms of numbers Amazon and Paytm has the most appealing web layout
- However customers who have been retained has also favoured Snapdeal and Paytm

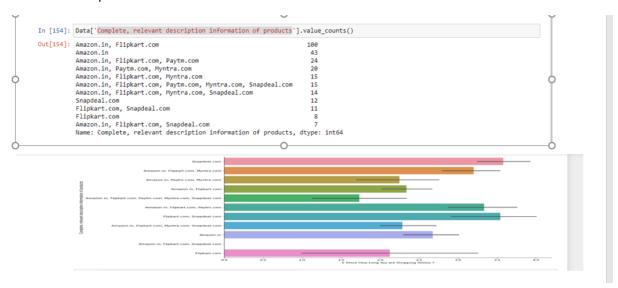
Product Variety:



Observation:

- Amazon and Flipkart has more product variety
- However Flipkart has retained more customers than Amazon

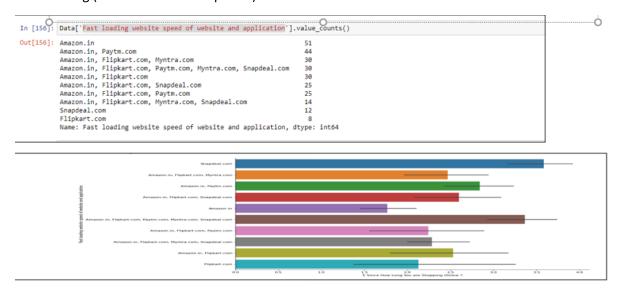
Product Description and Information



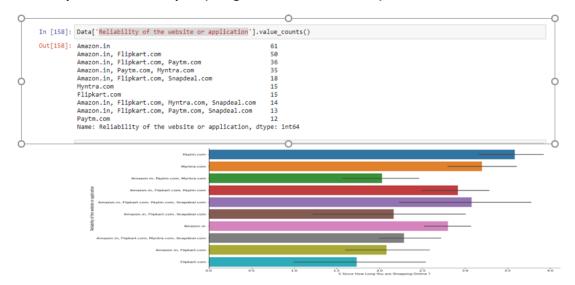
Observation:

- Amazon and Flipkart has been more reliable in product description
- However customers who have been retained for a longer time also agrees with Snapdeal

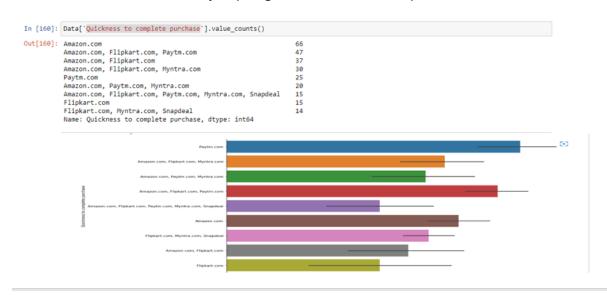
Fast Loading (Amazon In and Snap Deal):



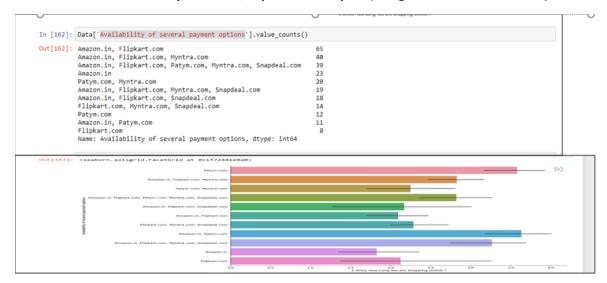
Reliability- Amazon and PayTm (Longer Customer Retention):



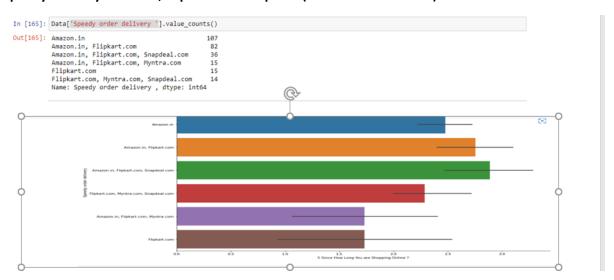
Quick Purchase- Amazon and Paytm (Longer Customer Retention)



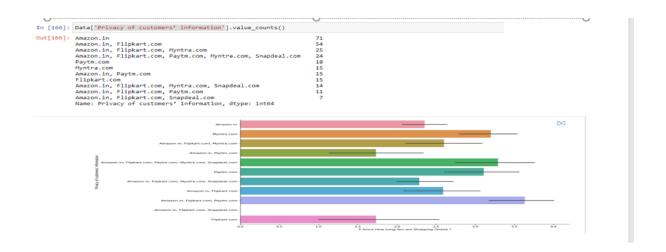
Several Product Availability- Amazon, FlipKart and PayTm (Longer Customer Retention)



Speedy Delivery- Amazon, FlipKart and Snapdeal (Customer Retention)



Customer Privacy- Amazon, FlipKart and PayTm (Customer Retention)



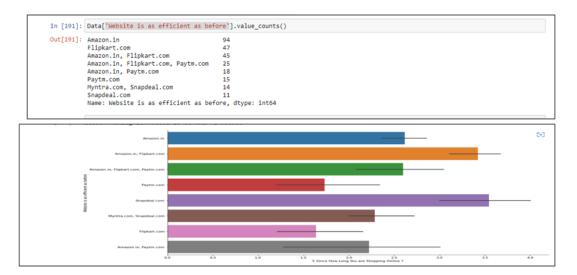
Longer Time to Log, Limited Payment:

```
In [175]: Data['Longer time to get logged in (promotion, sales period)'].value_counts()

Out[175]: Amazon.in
Amazon.in, Flipkart.com
Byptm.com
Byntra.com
Byntra.com
Byntra.com, Paytm.com, Snapdeal.com
Flipkart.com, Paytm.com, Snapdeal.com
Flipkart.com, Paytm.com
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Longer Delivery, Change in website, Frequent Disruption

Efficient Website:



Conclusion

In terms of various online platforms there is a slight difference in common public opinion and sites which have retained customers over 4 years. Therefore the conclusion can be divided into two parts 1. Customer Popularity 2. Customer Retention

This has been explained in next.

Customer Popularity:

Amazon has the most popularity in terms of common usage, wide variety products, reliability, fastest speed, efficiency, customer privacy, product availability and quick purchase. However it also has disadvantage in Longer time to log, payment mode issue, frequent page disruption and change in website. Due to which there is also a lot of churning.

Customer Retention:

Customer Retention over 4 years has been mainly maintained by Flipkart, Paytm and Snapdeal with fastest speed, efficiency, customer privacy, product availability and quick purchase. It also has a recommendation from customers using Online Platform for a long time and has less payment issue, logging time and a low frequent page disruption and website change.

Recommendation:

