| | |
|---|---|
| Name | SACHIN DIMRI |
| Father's Name | SURAJ MANI DIMRI |
| Student Id | 21711141 |
| Univ. Roll No. | 2101175 |
| Enrollment No. | PV-21010175 |
| Date | 15/03/2022 |
| Course | MCA |
| Sem | 1st |
| Section | A |
| Subject | Scripting Language and R programming Practical |

Q1

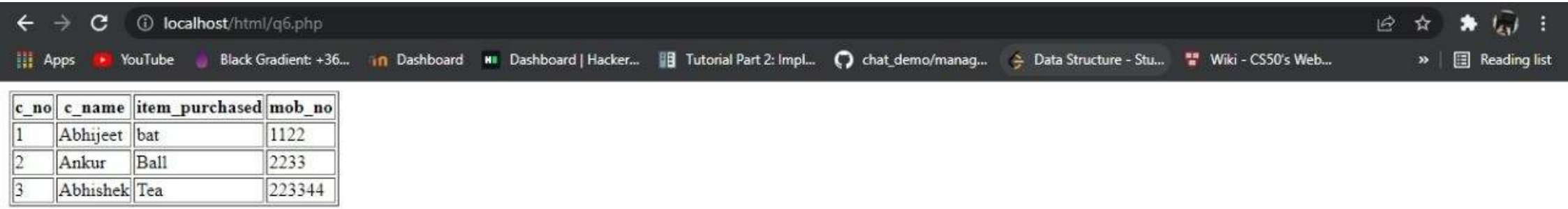
Sol

```
<html>
<head>
</head>
<body>
<?php
$servername = "localhost";
$username   = "root";
$password   = "";
$dbname     = "Sachin";

$conn = new mysqli($servername, $username, $password,
                   $dbname);

if($conn->connect_error){
    die("Connection failed: ". $conn->connect_error);
}
```

Sachin

```
$ sql = "Select c_no, c_name, item_purchased, mob_no
        from customer";

$ result = $ conn -> query ($ sql);

echo "<table border = '1'>

<tr>
<th> Id </th>
<th> name </th>
<th> Mobile </th>
<th> email </th>

</tr>";

if ($ result -> num_rows > 0) {
    while ($ row = $ result -> fetch_assoc())
        { echo "<tr>";
        echo "<td>". $ row['c_no'] . "</td>";

        echo "<td>" . $ row['c_name']. "</td>";

        echo "<td>". $ row['item_purchased']. "</td>";
```

```
echo "<td>". $row['mob-no'] . "</td>";

    echo "</tr>";
  }
} else {
    echo "0 results";
  }

  echo "</table>";

  $conn->close();
?>

</body>

</html>
```




| c_no | c_name | item_purchased | mob_no |
|---|---|---|---|
| 1 | Abhijeet | bat | 1122 |
| 2 | Ankur | Ball | 2233 |
| 3 | Abhishek | Tea | 223344 |

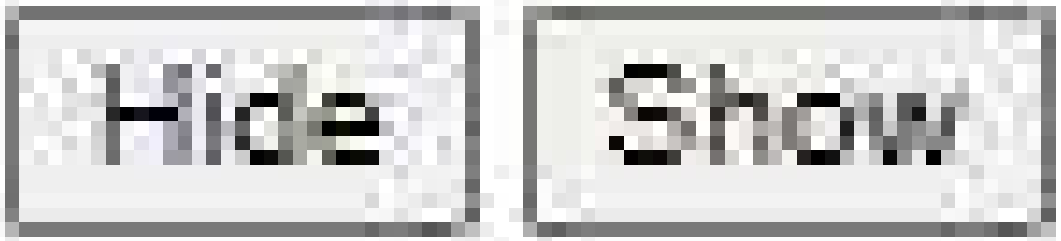
02

Sol
```
<!DOCTYPE html>
<html>
<head>
<script src = " https - - - - ></script>

<script>
$(document). ready (function() }

$ (" #hide" ). click (function() }

$ ("p"). hide ();

});
$ ("#show "). click (function () } $ ("p"). show ();

});
});
</script>

</head>
```

```
<body>

<p> If you click on the "Hide" button, I will
    disappear. </p>

<button id = "hide" > Hide </button>
<button id = "show" > Show </button>

</body>

</html>
```

demostration of second program ie. to hide the program content on the button click.....
If you click on the "Hide" button, I will disappear.
If you click on the "show" button, I will again appear.

Hide Show


Hide
Show

Q3 Analyze any csv dataset using R.

Sol
```
library(dplyr)
library(ggplot2)
mydata <- read.csv(file.choose())
mydata
Summary(mydata)
str(mydata)
```

~~dob mean(mydata $~~

```
data1 <- select.(mydata, X2012, X2001)
ggplot(data = data1, mapping = aes(x = X2012), col("red")) +
    geom_histogram()
```

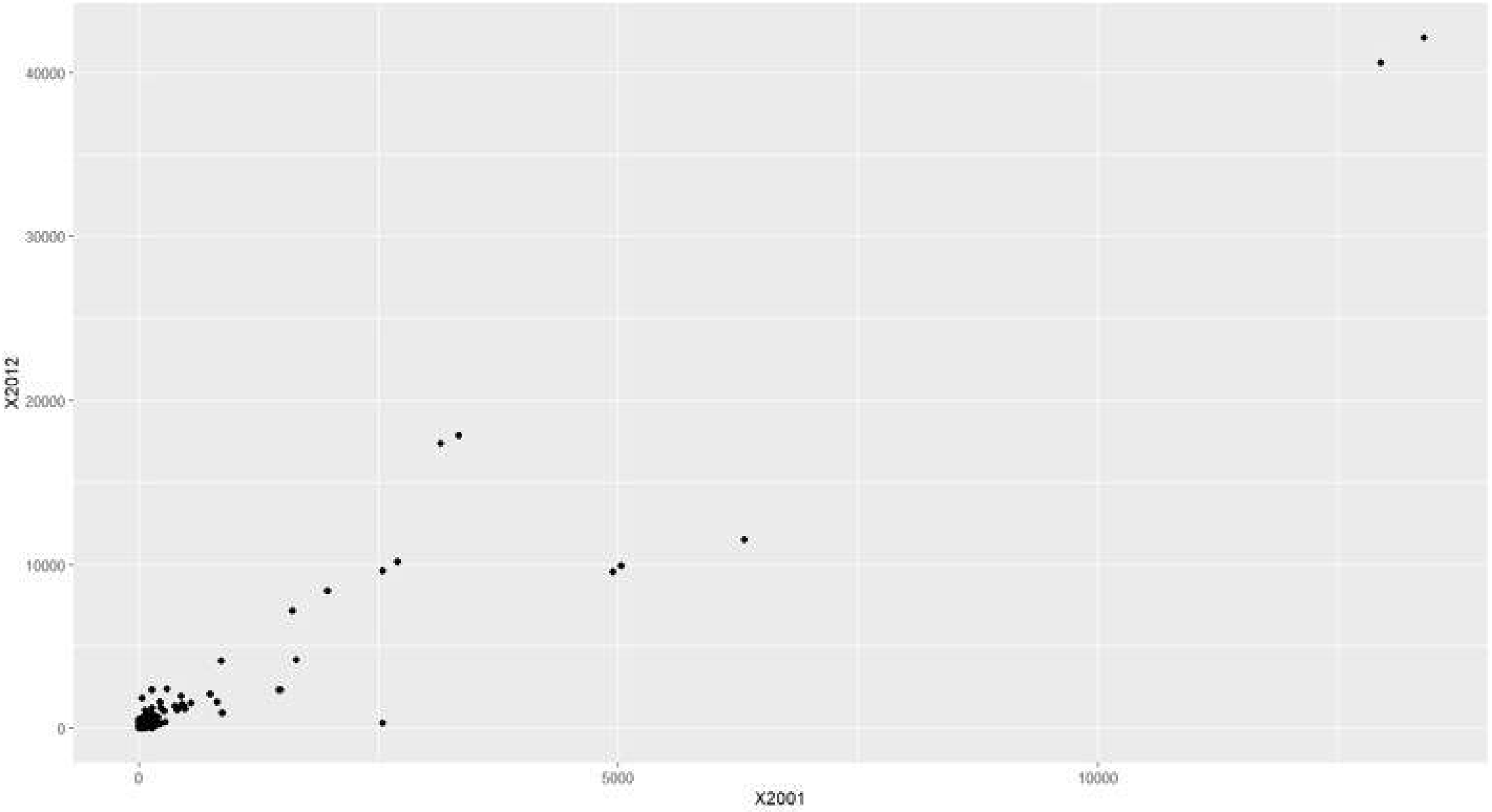
```
ggplot(data = data, mapping = aes(x = X2001, y = X2012)) +
    geom_point()
```

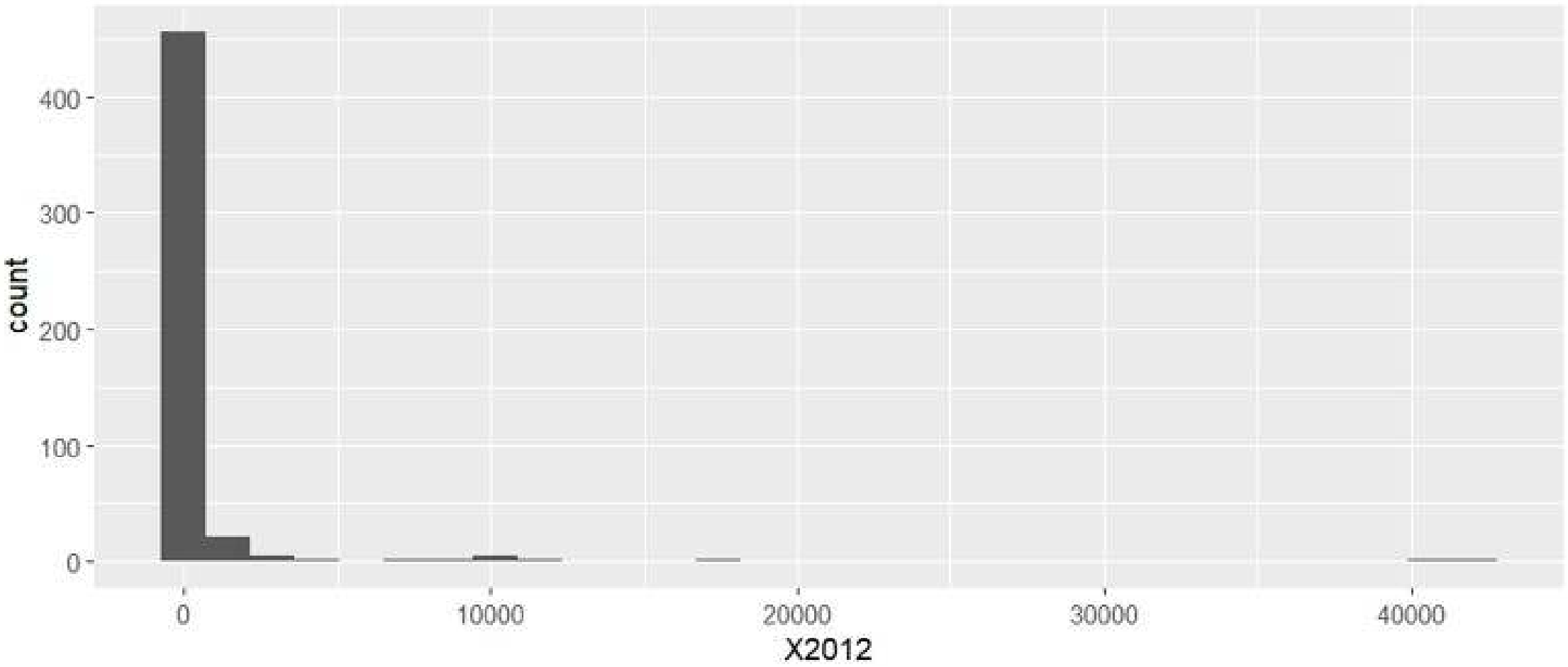
```
ggplot(data, aes(x = X2001, y = X2012)) + geom_line()
```

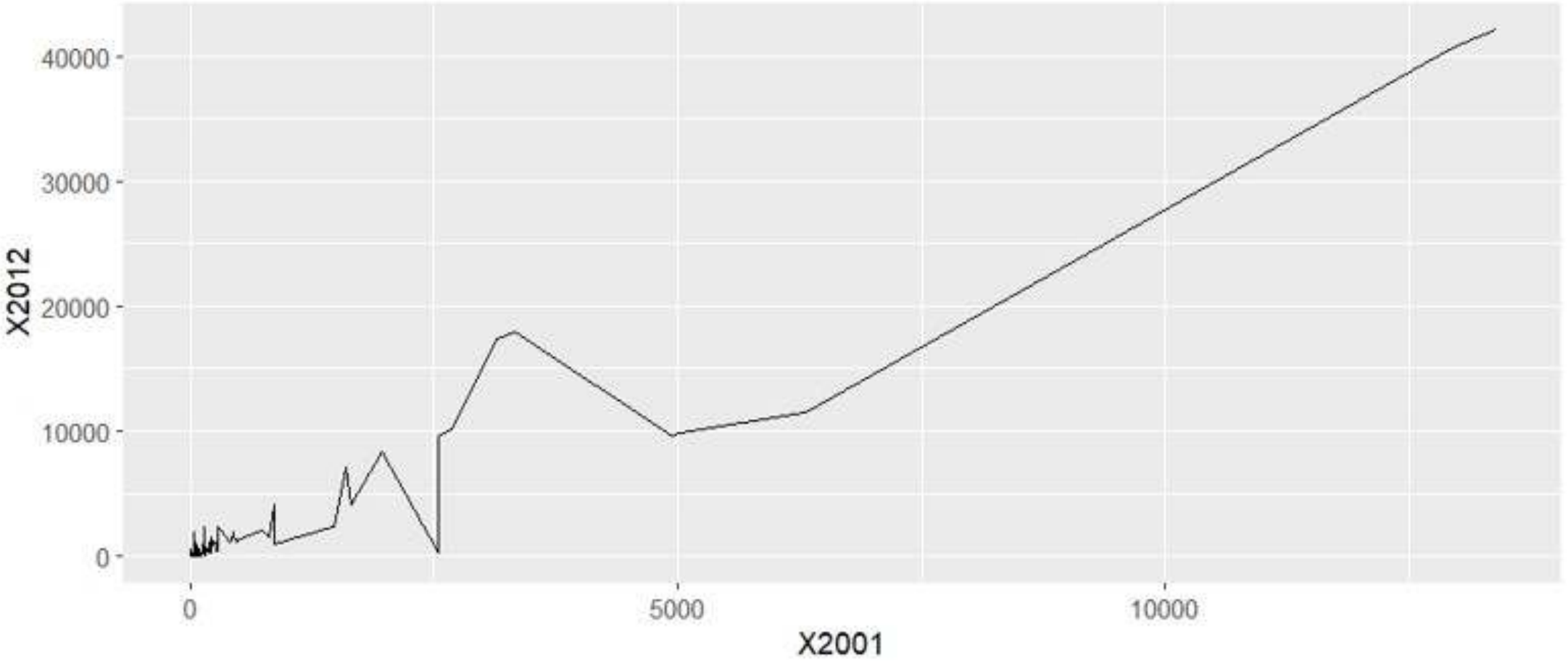
In this project we analyzed that the crime rate is gradually increasing. In this data set we have the data of crime rate from 2001-2012.

So through these graphs we easily analyze that crime rate is maximum in 2012.

```
> summary(mydata)
   STATE.UT          CRIME.HEAD            X2001             X2002
 Length:494         Length:494         Min.   :    0.00   Min.   :    0.0
 Class :character   Class :character   1st Qu.:    0.00   1st Qu.:    0.0
 Mode  :character   Mode  :character   Median :    0.00   Median :    0.0
                                       Mean   :  162.76   Mean   :  151.9
                                       3rd Qu.:   14.75   3rd Qu.:   18.0
                                       Max.   :13401.00   Max.   :12507.0
     X2003             X2004             X2005             X2006
 Min.   :    0.0   Min.   :    0.0   Min.   :    0.0   Min.   :    0.0
 1st Qu.:    0.0   1st Qu.:    0.0   1st Qu.:    0.0   1st Qu.:    0.0
 Median :    0.0   Median :    1.0   Median :    1.0   Median :    1.0
 Mean   :  164.3   Mean   :  202.4   Mean   :  210.8   Mean   :  253.5
 3rd Qu.:   21.0   3rd Qu.:   23.0   3rd Qu.:   29.0   3rd Qu.:   38.0
 Max.   :13524.0   Max.   :16663.0   Max.   :17353.0   Max.   :20870.0
     X2007             X2008             X2009             X2010
 Min.   :    0.0   Min.   :    0.00   Min.   :    0.0   Min.   :    0.00
 1st Qu.:    0.0   1st Qu.:    0.00   1st Qu.:    0.0   1st Qu.:    0.00
 Median :    1.5   Median :    1.00   Median :    1.0   Median :    1.50
 Mean   :  272.5   Mean   :  312.95   Mean   :  316.2   Mean   :  333.33
 3rd Qu.:   36.0   3rd Qu.:   40.75   3rd Qu.:   37.5   3rd Qu.:   45.75
 Max.   :22432.0   Max.   :25766.00   Max.   :26012.0   Max.   :27403.00
     X2011             X2012
 Min.   :    0.0   Min.   :    0.00
 1st Qu.:    0.0   1st Qu.:    0.00
 Median :    3.0   Median :    3.00
 Mean   :  430.3   Mean   :  511.54
 3rd Qu.:   48.0   3rd Qu.:   51.75
 Max.   :35427.0   Max.   :42117.00
>
```


40000
30000
20000
10000
0
X2012
0
5000
10000
X2001


400
300
200
100
0
count
0
10000
20000
30000
40000
X2012


40000
30000
20000
10000
0
X2012
0
5000
10000
X2001

Q4 Disscuss Descriptive and Infrential Statistics of above dataset

Ans Statistics plays a main role in field of research. It helps us in the collection, analysis and presentation of data.

## Descriptive Statistics

It describes the important characteristics / properties of the data using the measures the central tendency like mean/median/mode and the measures of dispersion like range, standard deviation, variance etc.

Data can be summarized and represented in an accurate way using charts, tables and graphs.

## Inferential Statistics

It is about using data from sample and then making inferences about the dorger population from which the sample is drawn. The goal of the inferential statistics is to draw conclusions from a sample and generalize them to the population. It determines the probability of the characteristics of the sample using probability theory. The most common methodologies used are hypothesis tests, Analysis of variance etc.