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Sem : Ist

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Q3 Plotting the file

CSV file : cars.csv

- Setting of working directory
  setwd ("c:/users/Abhinav/Downloads")
- Reading of .csv file
  cars <- read.csv ("cars.csv")
- Installing ggplot package
  install.packages ("ggplot2")
  this package is important for plotting graphs and charts few of them will be shown below using ggplot() library

library (ggplot2)

- Histogram : ggplot (cars, aes (y = state, x = region))
  + geom_bar (stat = "identity")
- Pie chart : ggplot (cars aes (y = "", full = region, x = population)) + geom_bar (width = 1 stat = "identity") + coord_polar ("x", start = 0)
- Boxplot : ggplot (cars. aes (x = car accident, y = region)) + geom boxplot()
- Scatter plotting : ggplot (cars, aes (x = state, y = cons))
  + geom_Point()
- Line graph : ggplot (cars. aes (y = population, x = state group = region) colour = region + geom. line())
  + geom_point()

Some descriptive Data

- Minimum
  min (cars & carownership)
  + 0.036
- Maximum
  max (cars & car accident)
  = 1257
- Mean
  Mean (cars & population Density)
  = 394.5408
- Median
  median (cars & population)
  = 4339367

- Quantile
  quantile (cars & car ownership = 0.25)
  => 25%
  => 0.3055

Quantile (c arownership = 0.25)
=> 75%
= 0.44

- Sd (Car & accident)
  => 236.1261

Var (car & car accident)
= 236.1261

Var (car & car accident
55755.56

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Q4 # Descriptive statistics

summary (mydata)

clm (mydata)

sd1 (mydata)

names (mydata)

Inferential statistics

1) chi-squared test

model <- chisq.test (mydata)

model

output p-value = 0.334263 > 0.05

Thus " mydata highly correlated and we accept the NULL hypothesis

2) # correlation coefficient

Cor (mydata $ cars, mydata $ average)

output 0.97534 > 0.8

Thus cars & average is strongly correlated to each other

3) Anova test

mysubdata4 <- aov (mydata $ average ~ mydata $ speed)

mysubdata4

output Pr(>F) is 0.0014 as Heen value is less than 0.05 then we reject NULL hypotheses and accept the alternative hypotheses

4) T-Test

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This gives us the T score for the dataset

t.test(mydata, mu = 100)

Here p-value is 0.334263 > 0.05

So we accept the NULL hypothesis

Q1 <HTML>

<HEAD>

<SCRIPT>

function validate ()

{

var msg = "";

If { document.getElementById('log').value

== "")

{

msg = "username";

document.getElementById('pass').value == ""]

{

dif (msg != "")

{

msg += "and"

}

msg += "password";

}

if (msg != "")

{

alert("provide" + msg); return false; }}

</SCRIPT>

</HEAD><body onload = document.getElementById

('log') focus()>

<form action = "login.php" method = "post" onSubmit =

"return validate();">

login-Name: <input type = "text" id = "log">

</br>

Pass-word <input type = "password" id = "pass"></br></br>

<input type = "submit" name = "submit" value = "login">

</form>

</body>

</html>

Q2 <html>

<head>

<title> general form </title>

</head>

<body>

<form action = "<? php $_PHP_SELF ?> method =

"POST">

Date: / /

```
Name :
< input type : "text" name = "txtname" >
  < br > < br >
Roll no :
< input type = "text" name = "txtr_no" >
< br > < br >
Gender
< input type = "text" name = "txtgen" >
  < br > < br >
address
< textarea name = "add" type = "textarea" >
    < / textarea >
    < br > < br >
< input type = "submit" name = "insert" value = "Save" >
< input type = "Reset" value = "Cancle" >
  < / form >
< / body >
< / html >
  < ? php
  if ( isset ( $_POST ['insert'] ))
    {
  $con = mysql_connect ("localhost", "root", "", "
        newdb);
  if ( $con )
    {
  echo " Mysql connection ok < br > ";
    mysql_select_db ( $con, "newdb" );
  $name = strval ( $_POST [" txtname "] );
  $ gender = strval ( $_POST [" txtgen " ] );
  $ address = strval ( $_POST [" add "] );
```

```
$query = "insert into studinfo values ("$name","$roll",
"$gender","$address")";
    if (mysqli_query ($con,$query))
    {
        echo "Data inserted successfully <br>";
    }
$query = "select * from studinfo";
$sqlt = mysqli_query ($con,$query);
echo "<table border="1">
    <tr>
    <th> Name </th>
    <th> Roll No </th>
    <th> Gender </th>
    <th> address </th>
    </tr>";
while ($row = mysqli_fetch_array ($sqlt))
{
echo "<tr>";
echo "<td>" . $row["studname"] . "</td>";
echo "<td>" . $row["rollno"] . "</td>";
echo "<td>" . $row['gender'] . "</td>";
echo "<td>" . $row['addr'] . "</td>";
echo "</tr>";
    }
echo "</table>";
    mysqli_close($con);
    }
?>
```