Graphic Era Hill University

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Semester: I

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Q2: Ans:

```
<html>
<head>
<title> Registration Form </title>
</head>
<body>
<div class = "container" >
<h3> Student Registration Form </h3>
<form action = "action.php" . method = "post" >
<p> Student Name: <p>
<input type = " text " name = " sname" >
<p> Date of Birth : </p>
<input type = " date " name = " date " >
<p> Gender : </p>
```

```
<select name = "gender" >
<option value = "Male"> Male </option>
<option value = "Female" > Female </option>
<option value = "Others" > Others </option>
</select>
<p> Address: </p>
<textarea name = "address" rows = "4" >
<p> E Mail : </p>
<input type = "email" name = "email">
<p> Phone: </p>
<input type = "number" name = "number" >
```

```
<p> Category: </p>
<select name = "category">
<option value = "general" > General </option>
<option value = "OBC" > OBC </option>
<option value = "SC" > SC </option>
<option value = "ST" > ST </option>
</select>
<p> Course : </p>
<input type = "text" name = "course">
<input type = "submit" >
<form>
</div>
</body>
</html>
```

```
<html>
<head>
<title> Regi_station Details </title>
</head>
<? php
    $name = $_POST ['$name'];
    $ dob = $_POST [' date'];
    $gender = $_POST [' gender'];
    $ address = $_POST [' address'];
    $ email = $_POST ['email'];
    $ phone = $_POST ['number'];
    $ category = $_POST ['' category'];
    $ course = $_POST [' course'];
```

```
?>
<body>
<h3> Details you entered are: </h3>
<p> Name: <?php echo $name ?> </p>
<p> Date of Birth: <?php echo $dob ?> </p>
<p> Gender: <?php echo $gender ?> </p>
<p> Address: <?php echo $address ?> </p>
<p> E-mail: <?php echo $email ?> </p>
<p> Phone: <?php echo $phone ?> </p>
<p> Category: <?php echo $category ?> </p>
<p> Course: <?php echo $course ?> </p>
</body>
</html>
```

Q1: Ans:

```
<html>
<head>
<title> Form Validation </title>
</head>
<body>
<script type="text/javascript">
function validateForm() {
var a = document.forms["Form"]["answer_a"].value;
var b = document.forms["Form"]["answer_b"].value;
var c = document.forms["Form"]["answer_c"].value;
var d = document.forms["Form"]["answer_d"].value;
if (a==null || a=="", b==null || b=="", c==null ||c
==="", d==null || d=="") {
alert("Please Fill All Required Field");
return false;
```

```
}
}
```

```
</script>
<form method = "post" name = "Form" onsubmit = "return
validateForm()" action = "" >
<textarea cols = "30" rows = "2" name = "answer_a" id
= "a" > </textarea>
<textarea cols = "30" rows = "2" name = "answer_b" id
= "b" > </textarea>
<textarea cols = "30" rows = "2" name = "answer_c" id
= "c" > </textarea>
<textarea cols = "30" rows = "2" name = "answer_d"
id = "d" > </textarea>
```

```
</form>

</body>
</html>
```

P.T.O

Q3: Ans:

```
library (dplyr)
setwd ("D: /rfiles")
data <- read.csv ('swig.csv")

 data

 table (data)
 barplot (table (data))
 length (data)
 summary (data)
 sort (data)
 dim (data)
 plot (data)

 subdata <- select (data, DE_ZONE_ID, DE_HOME_LNG)

 subdata
 plot (subdata)
```

```
hist (subdata)

barplot (table(data))

boxplot (subdata)

piechart (sub data)

str (subdata)


subdata

min(subdata$DE_HOME_LAT)

max (subdata$ DE_HOME_LAT)

mean (subdata $DE_HOME_LAT)

mode (subdata$ DE_HOME_LAT)

median (subdata $DE_HOME_LAT)

quantile (subdata $ DE_HOME_LAT)
```

```
summary (subdata $DE_HOME_LAT)

# ggplot 2 library

library (ggplot2)

ggplot()

# LINE CHART

ggplot (data=subdata, aes (x=DE_HOME_LNG, fill
=DE_HOME_LNG)) + geom_histogram (col="sky
blue") + labs (title="histogram")

# bar

ggplot (data=subdata, aes (x=DE_HOME_LNG,
fill=DE_HOME_LNG)) + labs
(title="barplot",
```

scatter plot

```
ggplot (data= data , aes (x= DE_HOME_LAT,
    y = DE_ZONE_ID , fill = DE_JOINING_DATE ))+
+ geom_point() + labs (title= "scatter plot" )
```

box plot

```
ggplot (data= data, aes (x= DE_ZONE_ID,
    y = DE_JOINING_DATE ))  + geom_point()
+ labs ( title= " box plot " )
```

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Q4: Ans:

Descriptive Statistics:

Summary: gives us the descriptive states like

In case of Numerical data

Gives Mean, Mode, Median, Range.

Measure of central Tendency:

=> ~~mean (DE_HOME_LNG$~~ .

```
mean (data $ DE_HOME_LNG)
12.792
mode ( data $ DE_HOME_LNG)
02.3
median ( data $ DE_HOME_DATA )
```

87

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dim (data)

str (data)

names (data)

2) Measure of Spread:

range (data $ DE_HOME-DATE)

=> ~~range (data $ fire)~~

$ 12.32

=> var (data $ DE_HOME-LNG)

50.2

-> sdvt (var (data $ DE_ORDER_LOCATION))

15.92.

D.T.O

Inferential statistics

```
subdata <- subset(data, data$P(lass==1)

test2 = function(a,b,n1){
    sample_mean = mean(a)
    pop_mean = mean(b)
    c = n1-1
    varb = var(b)
    zeta = (sample.mean - pop_mean)/
        sqrt(varb/(c))
    return zeta

# call function
2. test2 (subdata$ DE_HOME_LNG, data$
DE_HOMELNG, subdata)          7.19
```

(c) ch squared test

model <- chisq.test (mydata)

model

output p-value = 1.23 > 0.5

thus (mydata) is highly carelated and we accept the NULL Hypothesis.

(d) # correlation coefficient.

cor (data $ DE_HOME_DATE, data $ average)

Output 0.87 > 0.3

THUS DE_HOME_DATE is strongly correlated to each other.

(5) Anova test

~~data~~ subdata <- aov (data$ average ~ subdata$ speed)

~~fit~~ data9

Output Pr(>F) is 0.12 as this value is less than 0.05 then we reject.