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Name: Avant Kumar Chhetri
                                     father's name: Bharat K. Chhelri
 University Rellno: 2101044
                                      Course, Semester: MCA ID
 Paper Name: Scripting Languages and R Lab
                                          Paper Type: Regular
 Paper Code: PMC 103
 10:21711241
         Formehtml
Q: <! doctype html>
    < html>
    < head)
    < title> Checking Blank Entry Fields</title>
    <script>
     function validate () {
   it (document-get Element By Id ('nametxt'). value == "" & &
       downent get Element By Id ('dob') . value = = "" & & downent get Element By Id ('mail') . value = = "") {
      alert ("Name, Date of Birth and Email are Empty");
   else if (document-getElementById('nametxt')·value == "" & & document.getElementById('dob')·value == "") {
      alert ("Name and Date of Birth are Empty");
   else if (downent get Element By Id ('dob') · value == " " & 4
          document.get Element By Id ('mail'). value == "") {
       alert (" Date of Birth and Email are Empty");
  else if (downent get Element By Id ('nametxt').value == " " & & downent get Element By Id ('mail').value == " ") {
       alert ("Name and Email are empty");
```

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Name: Avant Kumas Chhetri
                                          Uni Roll no: 2101044
MCA 10 19
 else if ( document-getElementById(' nametxt').value ==" ') {
   alert ("Name is Empty");
 else if (document get Element By Idl'dob'). value == "") {
   alert ("Date of Birth is Empty");
  else if (document get Element By I b ('mål') · value == "") {

alext ("Email is Empty");
}
3;
<15cript)
</head)
(body)
 < h17 Checking Blank Entry Fields </h1>
  { fieldset >
 (legend) Enter Information </legend> Name:
L'input class="input" type="text" id="rametxt" name="nametxt"/)
 (br) Date of Birth:
L'input class="input" type="date" id="dob" name="dob" />
Lbr) Email:
Lingut class="input" type="email" id="mail" name="mail" />
(PR)
                        on (lick = "validate()" value="send data">
<br/>
<br/>
button type="button"
 Submit </button>
 <1 body>
```

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Oz. form. html

3

Khtml < head > < title > Student Registration </title> </head > < body > ~fieldset > <legend > Enter Information </legend >
<form action = "data-php" method= "POST" > Name: <input type = "text" name = "nametxt" > > Rollno: L'input type = "text" name = "sell"/> < b>> Address: L'textarea name: "add"> </textarea> < br Email ID: name = "mail /> < bo> L'input type = "email" Date of Birth: name="dob"/>
 Linput type = "date" L'input type = "Submit" name = "sub" value = "save") value = "resetall" > Lingut type: "reset" 1/form) 1/feldset) </body> 2/html)

```
data phe
< html>
< head >

    \title > Data entered </title>

</head>
< body >
<? php
         "Name: .$ _ POST ["nametxt"]."<16 >>";
  echo
         "Rell no:"·$_POST["rell"]."</box";
  echo
         "Address:". $ _ POST ["add"]."</br>";
  echo
         "Email: ". $ _ POST ["mail"]. "</bo>";
  echo
         "Date of Birth:". $_POST ["dob"]."</br">;
  echo
  ?>
<1body>
1/html)
```

Name: Avant Kumar Chhetri 1D: 21711241 Uni Rellno: 2101044 MCA 1019 Q3. Analyze any csv dataset using R. (3) CSV > rainfall·csv(State wise, forest cover, total area, total annual rainfall) # setting of working directory > Setwd ("D:/rp") # Reading of csv file > data < read.csv ("rainfall.csv") # Installing and using library > install.packages ("ggplet 2") > library (ggplot 2) # Analysis 1. > Summary (data) percent annual rainfall total forest total area States Min: 3.62 Min: 351-8 Min: 21.49 Min: 30 Length: 36 1x0: 15.67 1410: 1008.5 1 st Ona: 3065.75 1st Qua: 9927 class: character Median: 26.48 Median: 1421.3 Median: 54578 Median: 16738.50 Mode: character Marn: 36.07 Mean: 1710.0 Mean: 91331 Mean: 19951.99 3rd dua: 26499.00 3.d0:55.92 3rd Q: 2197.1 3 rd Qua: 140 320 Max: 90:33 Max: 4489.5 Max: 77842.00 Max. 342239 2. > names (data) "total forest" "percent" "annual raingal" [1] states "tetal area" 3. > dim(data) CI7 36 5 >str (data) 'data pame': 36 ebs. of \$ states : chr"A&N \$ total area : int \$ total forest : num \$ percent : num 5 variables Islands" "Anunachal Pandesh".... 8249 83743 78 438 6743 66688 28327 3086 2433 2085 - - ... Aller Janual rainfall: num

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24. # some descriptive measures >min (data & annual rainful) [1] 351.8 > max (data & annual rainfall) CIJ 4489.5 > mean (data & annual rainfall) CIJ 1709.961 > mean (data \$ percent) [17 36.07083 > median (data \$ annied raingau) TIJ 1421.3 > median (data \$ percent) [17 26.485 > quantile (data & annual · rainfall, 0.25) 25 % 1008.45 > quantile (data & annual-rainfall, 0.75) 757. 2197-075 > sd (data & anneal . rainfall) [17 989.6392 >sd (data & percent) [17 27·31568 > vas (datas annual. raingall) [17 979385.8 , var (data & percent) C17 746.1463 # Measures of Central Tendency and Spread which give # us a more quantitative approach. Name: Avant Kumar Chhetri MCA 1D 19 10:21711241 UniRollno: 2101044

some ingerential statistics

>plet (data & annual · rainfall , data & percent , main = "Relation of 70 of forest cover with Annual Rainfall", xlab = "Forest %" y Lab = "Annual rainfall")

> abline (Im (percent ~ annual · rainfall, data = data), col="red")
> plot (Im (percent ~ annual · rainfall, data), which = 2, id · n = 0)
> ggplot (data, aes (x=states, y=percent)) + geom boxplot()
> boxplot (data \$ percent)

> Inferences

- 1. States which have a higher percent of their total geographical area under forest cover receive higher annual rainfall.
- 2. Percent ex area under forest cover and total annual rainfall has a coefficient ex correlation 0.629632 which shows a peritive correlation, i.e. as percent ex forest cover increases, so deer the annual rainfall.
- 3. Some outliers are still present, but, that is due to many geographical reasons like location, extent and other climatic factors.