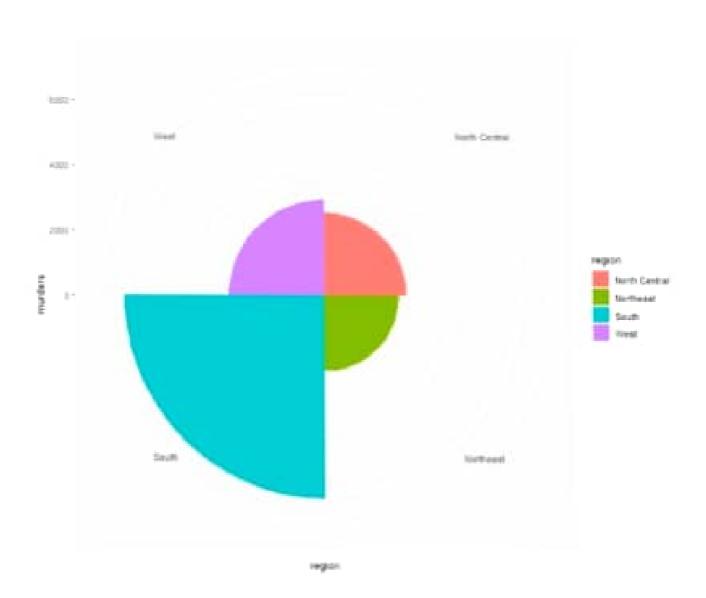
Nome- Monsi Tiwari Course - McA Section - A Studentid - 21712002 Roll no - 2101114

```
03 Analyze any CSV datased using R
      library (dplyr)
      library (ggblot2)
        81 solud ("M: Islong (xp")
           getwod ()
            data <- read.csv("muds.csv")
             view (data)
             head (data)
             tail (data)
            tail (data, 10)
             str(dala)
             Summary (data)
            date $ state. Length
             Sum (is. na(data))
              goplot (dala, als(y=state, x=murders)) + geom_ber(stat="identity")
              ggplot (date, aes (y: state, x = gunmurders)) + geom_bar (stat = "identity")
             39plot (dala, als (y= Population Density, x= neurders, group = Population Density,
                     color= murders))+geom_lino()+geom_point()
              ggplot (dala, als (x = murders, y = region)) + geom_boxplot ()
              data-size - factor (data)
               Str (data-size)
               Summary (data_size)
               level (dato_size)
               dato-table e- (data-size)
               Pie (dato-table)
               ggplot (dala, als (4 = murders, fill = region, x = region)) + geom-bar(
                     width = 1, state = "identity") + coord - Polar ("x", st art = 0)
```

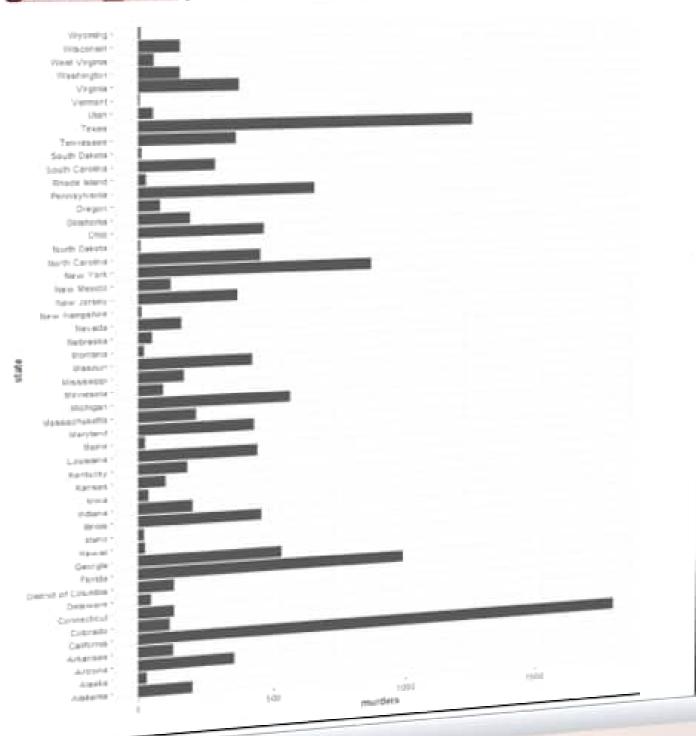
#scatterplot ggplot(data, aes(y =PopulationDensity, x =murders, group=PopulationDensity, colour=murders)) +geom_line() + geom_point() murders 1000 Scanned with CamScanner

#piechart

ggplot(data,aes(y=murders,fill=region,x=region)) +
geom_bar(width=1,stat="identity")+coord_polar("x",s
tart=0)



ggplot(data, aes(y=state, x=murders))+ geom_bar(stat = "identity")



Discuss sisciplive and infrential state statistics of above dataste. Descriptive statistics-Descriptive statistics are a part of statistics that can be used to describe dala. It is used to summerize the attributes of a sample in such a way that a pattern can be drawn from the group. It enables researchers to present data in a more meanigful way such that easy interpretation can be

Population - . . . Law is to the extended of development to the land to the land of the la Min > 563626 miles policy in the state of th Mean + 4839367 607 5769' Me Dian- 4339367

Population density min - 1,264 Meon - 354.549 Max. - 10298.000 Jetou , 46. 185 Margal Alter and Margal 35dOn + 224. 350

Murders -Min - 7.6 18+ Qu - 49.0 Mean + 273.2 3 day 394.0 Max. + 1811.0

gun murders + Min 3.0 13 Qu + 24.5 Median + 97.0 mean 1 184.4 5 d Qu 1 26 8.0 Max. - 1257,0 inforce that states the corn as a bloom.

Junownershipmin- 0.0360 130 Qu- 0.3055 Median- 0.3580 Mean- 0.3695 3⁷d Qu- 0.4400 Max - 0.5910

Inferential statistics is a branch of statistics that is used to make inference Inferential statistics is a branch of statistics that is used to make inference about the population by analyzing a temple. When the population date is very about the population by analyzing a temple. When the population somples are laken that are refresentative of the entire population. Inferential statistics draws conclusions regarding the population using these samples. Jumpling stategies such as simple random sampling, about sampling to stratified sompling, and systematic sampling med to be used in order to choose correct temples from the population. John methologies used in order chose correct samples from the population. John methologies used in order inferential statistics care as fellows—

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of the said the said

- (1) Hypothesis Testing (z dest, & test)
- (11) Regression Analysis. (Check relationif 6/w defended Independent variable)