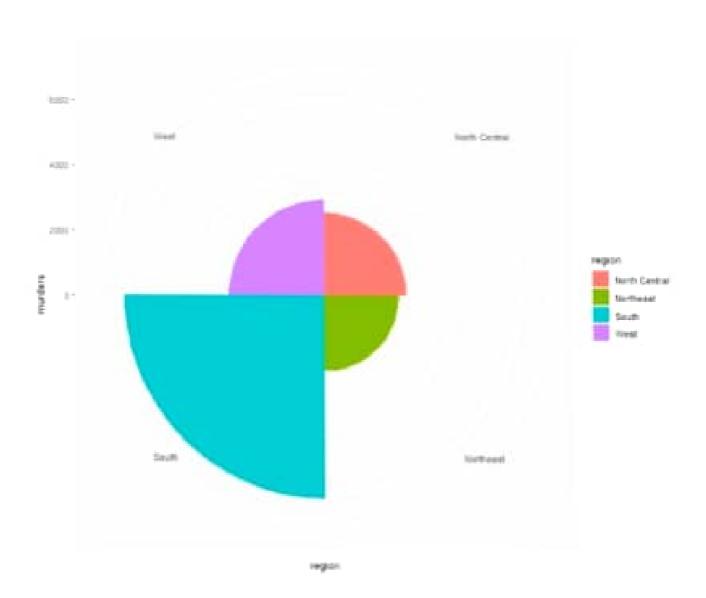
```
Analyze any csv dateset using R.
  library (dplys)
 library (99blot2)
 Setwd ("H: / slanguage / sip")
  getwall)
  data <- nead.cov("mud1.cov")
   véew (dala)
  head (data)
   Laid (data, 10)
   Shr (data)
   Summary (data)
   data & State length
   Sum (1s. nal dala)
  ggblot (data, acs(y = state, n = murders)) + geom_bor(
                     slat = "identity")
  ggplot (data, aes(y=state, n=gunmurders))+
   geom_bon ( stat = "identity")
 ggblot (date, acsly - Population Dansity, n = murders,
      group = Population Density, colour = murders))
      +geom_line() + goem_point()
```

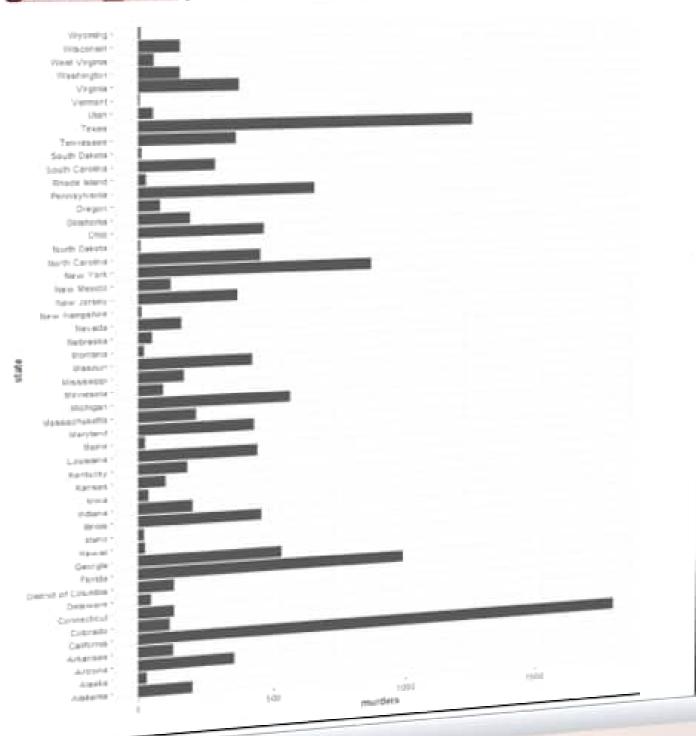
## #scatterplot ggplot(data, aes(y =PopulationDensity, x =murders, group=PopulationDensity, colour=murders)) +geom\_line() + geom\_point() murders 1000 Scanned with CamScanner

## #piechart

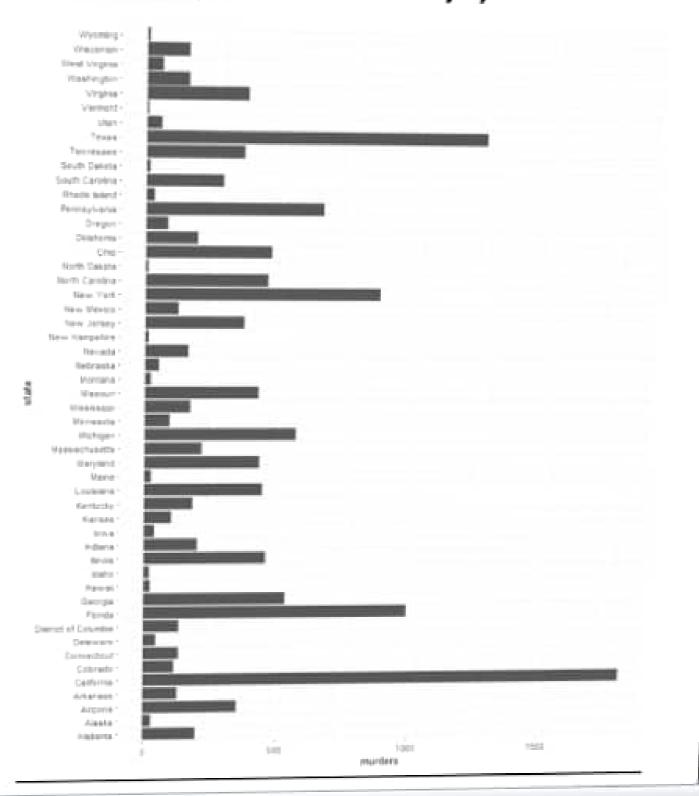
ggplot(data,aes(y=murders,fill=region,x=region)) +
geom\_bar(width=1,stat="identity")+coord\_polar("x",s
tart=0)



## ggplot(data, aes(y=state, x=murders))+ geom\_bar(stat = "identity")



## ggplot(data, aes(y=state, x=murders))+ geom\_bar(stat = "identity")



Disseurs Descriptive and Infrantial Statistics of above dataset

Descriptive statistics are a part of statistics that can be used to describe data. It is used to summarise the attributes of a sample in such a way that a pattern can be tomain from the group. It enables such researchers to present datain a more meanigful way such that easy interpretation can be made.

population -

min - 563626

mean - 6075769

median - 4339367

populationdensity-

min - 1.264

mean - 394.549

median 102.600

Man - 10298.000

D100 - 46.185

37/00- 224.350

Inferential statistics—

Inferential statistics is a branch of statistics that is used to make inferences about the population

by analyzing a sample. When the population data is very large it becomes difficult to use it.

In cost such case, or certain samples are taken that are representative of the entire population.

Inferential statistics draws conclusions regarding the population using these samples.

Sampling stategles such as simple mandom sampling, cluster sampling stratified sampling, and systematic sampling need to be used in wider to choose correct samples from the population. Some methodogles used in inferential statistic's are as follows.

Hypothesis Testing (2 lent, 1 lent)

Reg session Analysis (check relationship blw

dependent 1 independent)