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Q3) Analyze any CSV dataset using R.

Ans) Setting of working Directory \Rightarrow `setwd("D:/rp")`

Reading of .CSV file \Rightarrow

`Mydata <- read.csv("/book/sellers-with-categories")`

`Mydata <- read.csv("Covid.csv").`

Installing ggplot package

\Rightarrow `install.packages("ggplot2")`

`library(ggplot2)`

Q4) Discuss Descriptive and Inferential Statistics of above dataset.

Ans) Name in the data:-

`names(Coviddata)`

`[1] "states"`

`"Total.Cases"`

`[3] "Active"`

`"Discharged"`

`[5] "Deaths"`

`"Active.Ratio"`

`[7] "Discharge.Ratio"`

`"Death.Ratio"`

`[9] "Population"`

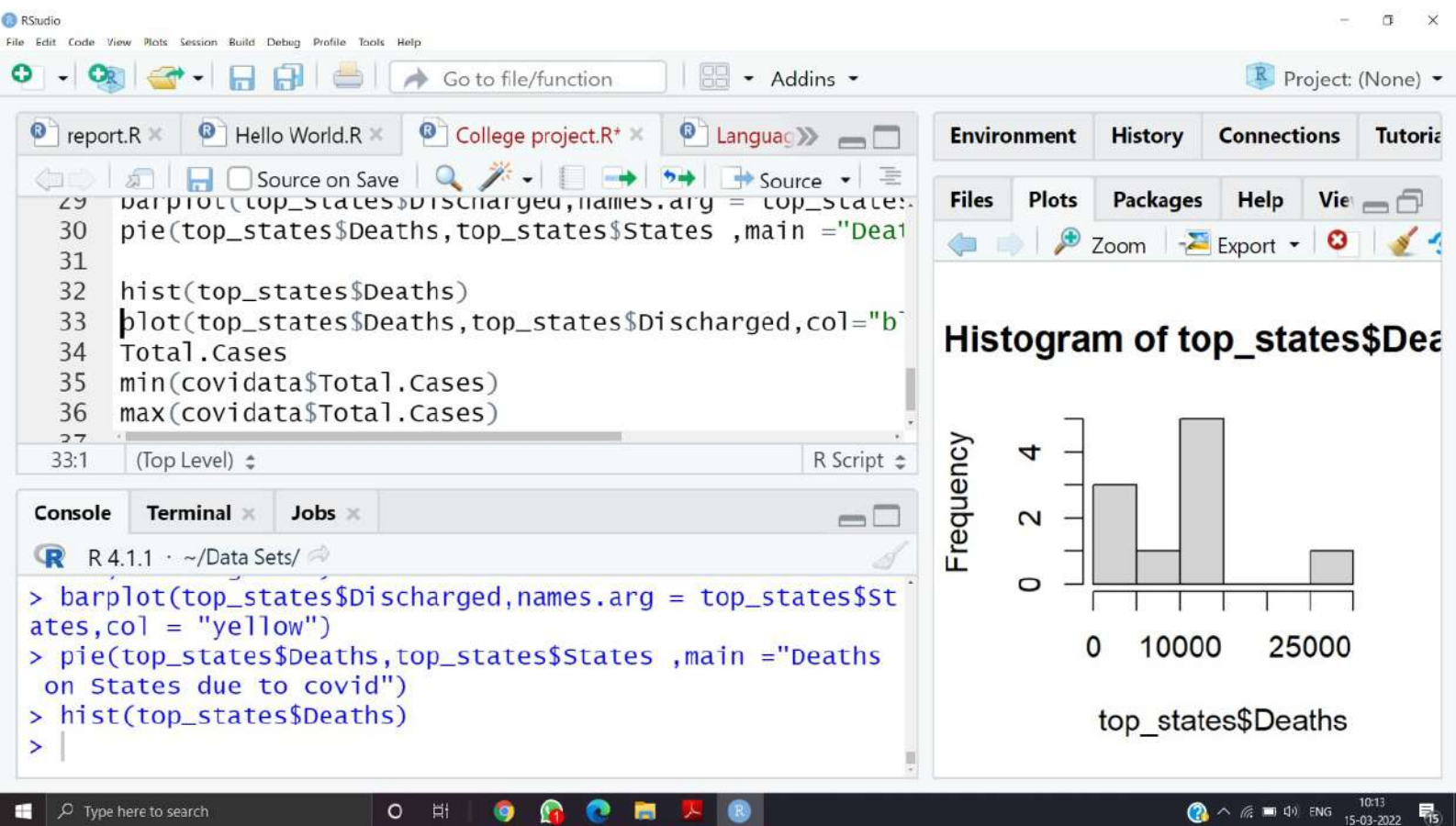
Dimension of data set
`> dim(Coviddata)`

`[1] 29 9`

Result

From the given data, I'm analyzing about the Covid data of India.

Maharashtra is the most effected state of India, due to Covid..



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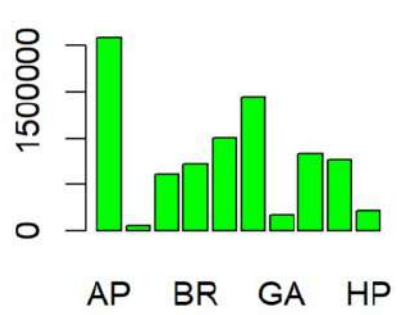
Source on Save Source

```
24
25 top_states$Discharged
26 top_states$States
27 barplot(top_states$Total.Cases,names.arg = top_state
28 barplot(top_states$Deaths,names.arg = top_states$Sta
29 barplot(top_states$Discharged,names.arg = top_state
30 pie(top_states$Deaths,top_states$States ,main ="Dea
31
32
28:1 (Top Level) R Script
```

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State	Total.Cases
AP	175501
BR	817455
GA	761684
HP	223405

Console Terminal x Jobs x

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```
[7] 175501 817455 761684 223405
> top_states$States
[1] "AP" "AR" "AS" "BR" "CG" "DL" "GA" "GJ" "HR" "HP"
> barplot(top_states$Total.Cases,names.arg = top_states$S
tates,col = "green")
> |
```

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```
28 barplot(top_states$Deaths,names.arg = top_states$St
29 barplot(top_states$Discharged,names.arg = top_state
30 pie(top_states$Deaths,top_states$States ,main ="Dea
31
32 hist(top_states$Deaths)
33 plot(top_states$Deaths,top_states$Discharged,col="b
34 Total.Cases
35 min(covidata$Total.Cases)
36
```

32:1 (Top Level) R Script

Console Terminal x Jobs x

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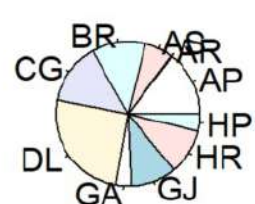
```
tates,col = "green")
> barplot(top_states$Discharged,names.arg = top_states$St
ates,col = "yellow")
> pie(top_states$Deaths,top_states$States ,main ="Deaths
on States due to covid")
> |
```

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Deaths on States due to cov



BR AR AP HP HR GJ GA DL CG BR

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```
9 summary(covidata)
10 covidata$Total.Cases
11 covidata$State.UTs
12 sum(covidata$Total.Cases)
```

10:1 (Top Level) R Script

Console Terminal x Jobs x

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```
> summary(covidata)
```

States	Total.Cases	Active
Length:29	Min. : 32151	Min. : 28
Class :character	1st Qu.: 179419	1st Qu.: 210
Mode :character	Median : 726296	Median : 389
	Mean : 1164378	Mean : 3075
	3rd Qu.: 1441662	3rd Qu.: 1954
	Max. : 6643179	Max. : 39240

Discharged	Deaths	Active.Ratio
Min. : 31351	Min. : 280	Min. : 0.0100
1st Qu.: 175501	1st Qu.: 3482	1st Qu.: 0.0400

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