**GRAPHS AND CHARTS**

# How People feel during lockdown

data1<-read.csv("dataset.csv",header=TRUE)

data1

data1 %>%select(feel\_during)

data2<-data.frame(data1)

detach(data2)

attach(data2)

class(data2)

summary(data2$feel\_during)

Length Class Mode

92 character character

table(feel\_during)

Content Happy Restless

27 20 45

So mode is restless as it has appeared maximum no of times

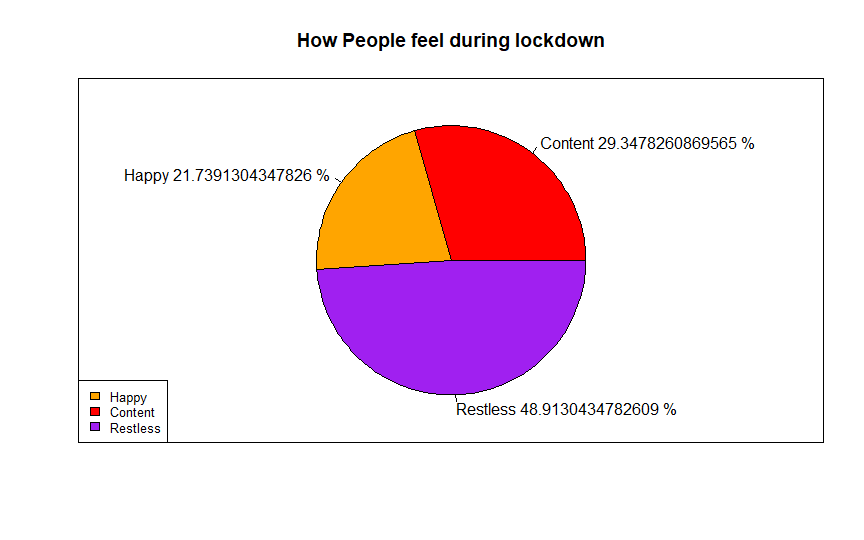
(table(feel\_during)/92)\*100

lbls<-paste(names(table(feel\_during)),(table(feel\_during)/92)\*100,"%")

pie(table(df$feel\_during),labels = lbls,main="How People feel during lockdown",col=c("red","orange","purple"))

legend("bottomleft", c("Happy","Content","Restless")ex = 0.8,fill=c("orange","red","purple"))

box()



# Was there an increase in screen time

table(screen\_time)

screen\_time

No Yes

11 81

names(table(screen\_time))

[1] "No" "Yes"

(table(screen\_time)/92)\*100

screen\_time

No Yes

11.95652 88.04348

lbls\_1<-paste(names(table(screen\_time)),(table(screen\_time)/92)\*100,"%")

pie(table(df$screen\_time),labels = lbls\_1,main = "Was there an increase in screen time",col = c("red","orange"))

legend("bottomleft",c("Yes","No"),cex = 0.8,fill = c("orange","red"))

box()

Chart, pie chart

Description automatically generated

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# How often do you hear from your teachers

table(teacher)

teacher

Always Never Sometimes

22 11 59

> names(table(teacher))

[1] "Always" "Never" "Sometimes"

> (table(teacher)/92)\*100

teacher

Always Never Sometimes

23.91304 11.95652 64.13043

> lbls\_2<-paste(names(table(teacher)),(table(teacher)/92)\*100,"%")

> pie(table(df$teacher),labels = lbls\_2,main = "How often do you hear from your teachers",col = c("red","orange","purple"))

> legend("bottomleft",c("Always","Sometimes","Never"),cex = 0.8,fill = c("orange","red","purple"))

> box()

Chart, pie chart

Description automatically generated

# Difference in monthly expense

table(monthly.expense)

monthly.expense

Decreased Increased Remains the same

30 36 26

> names(table(monthly.expense))

[1] "Decreased" "Increased" "Remains the same"

> (table(monthly.expense)/92)\*100

monthly.expense

Decreased Increased Remains the same

32.60870 39.13043 28.26087

> lbls\_3<-paste(names(table(monthly.expense)),(table(monthly.expense)/92)\*100,"%")

> pie(table(df$monthly.expense),labels = lbls\_3,main = "Difference in monthly expense",col = c("red","orange","purple"))

> legend("bottomleft",c("Increased","Decreased","Remains the same"),cex = 0.8,fill = c("orange","red","purple"))

> box()

Chart, pie chart

Description automatically generated

# Importance of climate change

table(climate)

climate

No Yes

20 72

> names(table(climate))

[1] "No" "Yes"

> (table(climate)/92)\*100

climate

No Yes

21.73913 78.26087

> lbls\_4<-paste(names(table(climate)),(table(climate)/92)\*100,"%")

> pie(table(df$climate),labels = lbls\_4,main = "Importance of climate change",col = c("red","orange"))

> legend("bottomleft",c("Yes","No"),cex = 0.8,fill = c("orange","red"))

> box()

Chart, pie chart

Description automatically generated

# College re-opening

table(college)

college

No Yes

33 59

> names(table(college))

[1] "No" "Yes"

> (table(college)/92)\*100

college

No Yes

35.86957 64.13043

> lbls\_5<-paste(names(table(college)),(table(college)/92)\*100,"%")

> pie(table(df$college),labels = lbls\_5,main = "College re-opening",col = c("red","orange"))

> legend("bottomleft",c("Yes","No"),cex = 0.8,fill = c("orange","red"))

> box()

Chart, pie chart

Description automatically generated

working\_hours\_before<-table(working\_hours\_before)

working\_hours\_before

0-2 hours 2-5 hours More than 5

6 41 45

Mode of working\_hours\_before is More than 5

working\_hours\_during<-table(working\_hours\_during)

0-2 hours 2-5 hours More than 5

40 26 26

Mode of working\_hours\_during is 0-2 hours

ta=rbind(working\_hours\_before,working\_hours\_during)

ta

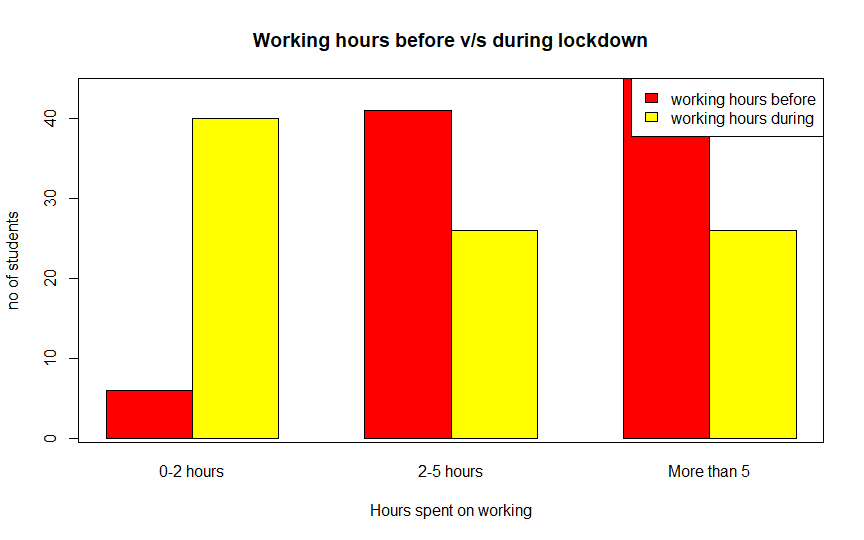
0-2 hours 2-5 hours More than 5

working\_hours\_before 6 41 45

working\_hours\_during 40 26 2

barplot(height=ta,beside = TRUE,col=c('red','yellow'),xlab='Hours spent on working',ylab='no of students')

legend('topright',legend=c('working hours before','working hours during'),fill=c('red','yellow'))



rate\_offline<-table(data2$rate\_offline\_learning\_platform)

rate\_offline

Ratings : 1 2 3 4 5

No. of students:5 3 8 41 35

rate\_online<-table(data2$rate\_online\_learning\_platform)

rate\_online

rate\_offline<-table(data2$rate\_offline\_learning\_platform)

rate\_offline

Ratings : 1 2 3 4 5

No. of students:5 3 8 41 35

rate\_online<-table(data2$rate\_online\_learning\_platform)

rate\_online

Ratings: 1 2 3 4 5

No. of students:8 25 32 17 10

gg=rbind(rate\_offline,rate\_online)

gg

1 2 3 4 5

rate\_offline 5 3 8 41 35

rate\_online 8 25 32 17 10

Maximum people finds offline as better learning platform

barplot(height=gg,beside = TRUE,col=c('red','yellow'),xlab='Rating scale',ylab='no of students')

legend('topleft',legend=c('online learning platform','offline learning platform'),fill=c("yellow","red"))

box()

Chart, bar chart

Description automatically generated

data10<-read.csv("dataset2.csv",header=TRUE)

data10

social\_median no\_of\_people

1 WhatsApp 79

2 Instagram 66

3 Facebook 21

4 Telegram 19

5 Twitter 11

6 Other 5

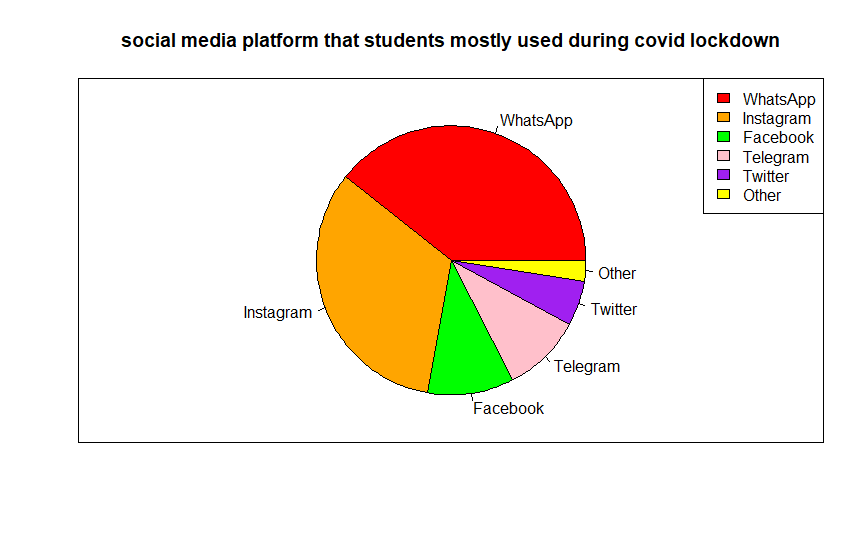
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indices<-data10[,2]!=0

pie(data10[,2][indices],labels = data10$social\_media,col=c("red","orange","green","pink","purple","yellow"),main="social media platform that students mostly during covid lockdown")

legend("topright",legend=data10$social\_media,fill=c("red","orange","green","pink","purple","yellow"))

box()



data20<-read.csv("dataset3.csv",header=TRUE)

data20

subscribed no\_of\_subscriptions

1 Amazon Prime 55

2 Netflix 60

3 Hotstar 35

4 Zee 5 12

5 other 2

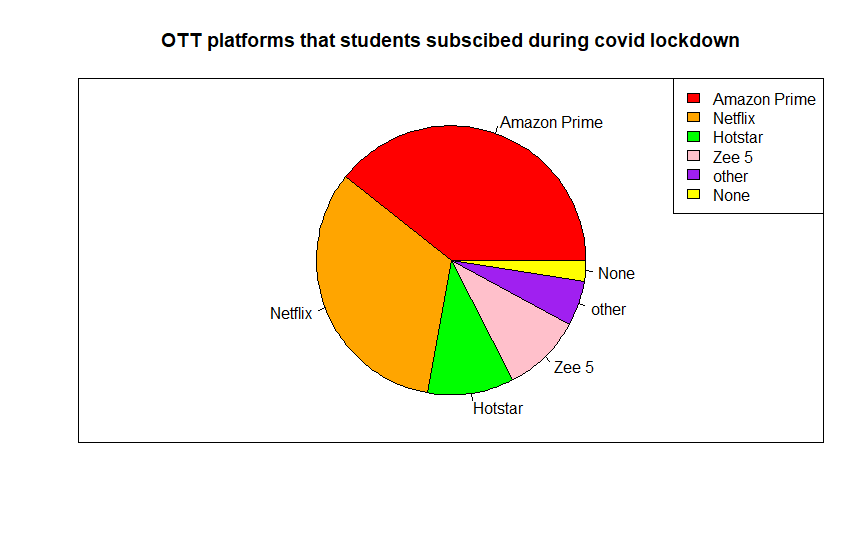
6 None 7

indice<-data10[,2]!=0

pie(data10[,2][indice],labels = data20$subscribed,col=c("red","orange","green","pink","purple","yellow"),main="OTT platforms that students subscibed during covid lockdown")

legend("topright",legend=data20$subscribed,fill=c("red","orange","green","pink","purple","yellow"))

box()



d<-read.csv("dataset.csv",header=TRUE)

d$physically\_active\_before

physically\_active\_during<-table(d$physically\_active\_during)

physically\_active\_before<-table(d$physically\_active\_before)

physically\_active\_during

Ratings: 1 2 3 4 5 6 7 8 9 10

No\_of\_students:8 7 7 15 16 13 12 5 2 7

physically\_active\_before

Ratings: 1 2 3 4 5 6 7 8 9 10

No\_of\_students: 1 1 1 1 9 5 18 29 15 12

t5=rbind(physically\_active\_before,physically\_active\_during)

t5

Ratings 1 2 3 4 5 6 7 8 9 10

physically\_active\_before 1 1 1 1 9 5 18 29 15 12

physically\_active\_during 8 7 7 15 16 13 12 5 2 7

barplot(height=t5,beside = TRUE,col=c('red','yellow'),xlab='Rating scale',ylab='no of students')

legend('topleft',legend=c('working hours before','working hours during'),fill=c("yellow","red"))

box()

