

```

5. # Install the required packages
install.packages(c("wordcloud", "RColorBrewer"))

# Load the libraries
library(wordcloud)
library(RColorBrewer)

# Generate a color palette
Pal <- brewer.pal(10, "RdGy")

# Create the word cloud
wordcloud(
  words = c("inequality", "law", "policy", "unemploy", "job", "economy",
            "democracy", "republicans", "challenge", "congress", "america", "growth"),
  freq = c(26, 9, 2, 7, 30, 26, 1, 4, 3, 9, 57, 9),
  min.freq = 2,
  col = Pal, # Use the generated color palette
  random.order = FALSE
)

1. library(plotrix)
library(lubridate)

tasks <- list(
  labels = c("research proposal", "literature survey", "data collection"),
  starts = ymd("2023-01-12", "2023-02-12", "2023-02-26"),
  ends = ymd("2023-02-12", "2023-04-12", "2023-05-01"),
  priorities = c(1, 2, 3)
)

vgridpos <- ymd("2023-01-12", "2023-02-12", "2023-02-26")
vgridlab <- c("Jan", "Feb", "Mar")

gantt.chart(tasks, vgridpos = vgridpos, vgridlab = vgridlab, main = "My Gantt Chart",
  taskcolors = c("red", "pink", "blue"), border.col = "black")

2.library(scatterplot3d)
data(iris)
head(iris)
colors <- c("#999999", "#E69F00", "#56B4E9")
colors <- colors[as.numeric(iris$Species)]
scatterplot3d(iris[, 1:3], pch=16, color=colors, grid=TRUE, box=TRUE)

4. library(hexbin)

```

```

Set. seed (356)
x=norm (1000)
y = rnorm (1000)
bins= hexbin (x,y)
plot (bins)
plot (bins, border = TRUE)
plot (bins, border = "red")
5mb Smooth. hexbin (bins)
plot (smb)
3.
lilary (plot 3D).
Xseq 1,1, by: 0.5) Y=seg 1.1. by = 0.5) zval (
20.8, 22.3, 22.1, 11.1.20.1
2.2, 6.7, 14.1, 6.6.24.7.
15.7, 15.1, 9.9, 9.3, 14.7.
21.9, 11.2, 11.6, 3.9, 14.8)
2=matrix (zval, In rows= 5, neol: 5, by row= TRUE),
hist 3D (x, y, z)
Zlim, c (0,25),
theata= 40,
phi = 40.
axes: TRUE,.
label: TRUE,
Hicks: 5.
ticklype = "detailed",
space=0.5.
lightning = TRUE,
light = "diffuse."
shade =0.5)

```