Name:- Himanshu Enrolment No:- PV-18210058

father's Name:- Amir Chandra Course MCA 'A'

University Roll No:- 2101080 Sub R language

3)

```
setwd("D:")
mydata1 <- read.csv("Hapiness.csv")
install.packages("ggplot2")
library(ggplot2)
ggplot(data = mydata1, aes(y= Happiness Score, x= Country))
  + geom_bar(stat = "identity")

ggplot(data = mydata1, aes(y= "", fill = Happiness Score,
x = Country)) + geom_bar(width=1, stat = "identity") + coord_polar
("x", start = 0)

min(mydata1$Happiness.Score)
max(mydata1$Happiness.Score)
mean(mydata1$Happiness.Score)
median(mydata1$Happiness.Score)
quantile(mydata1$Happiness.Score, 0.25)
quantile(mydata1$Happiness.Score, 0.75)
sd(mydata1$Happiness.Score)
var(mydata1$Happiness.Score)
summary(mydata1)
```

Sign:- Himanshu

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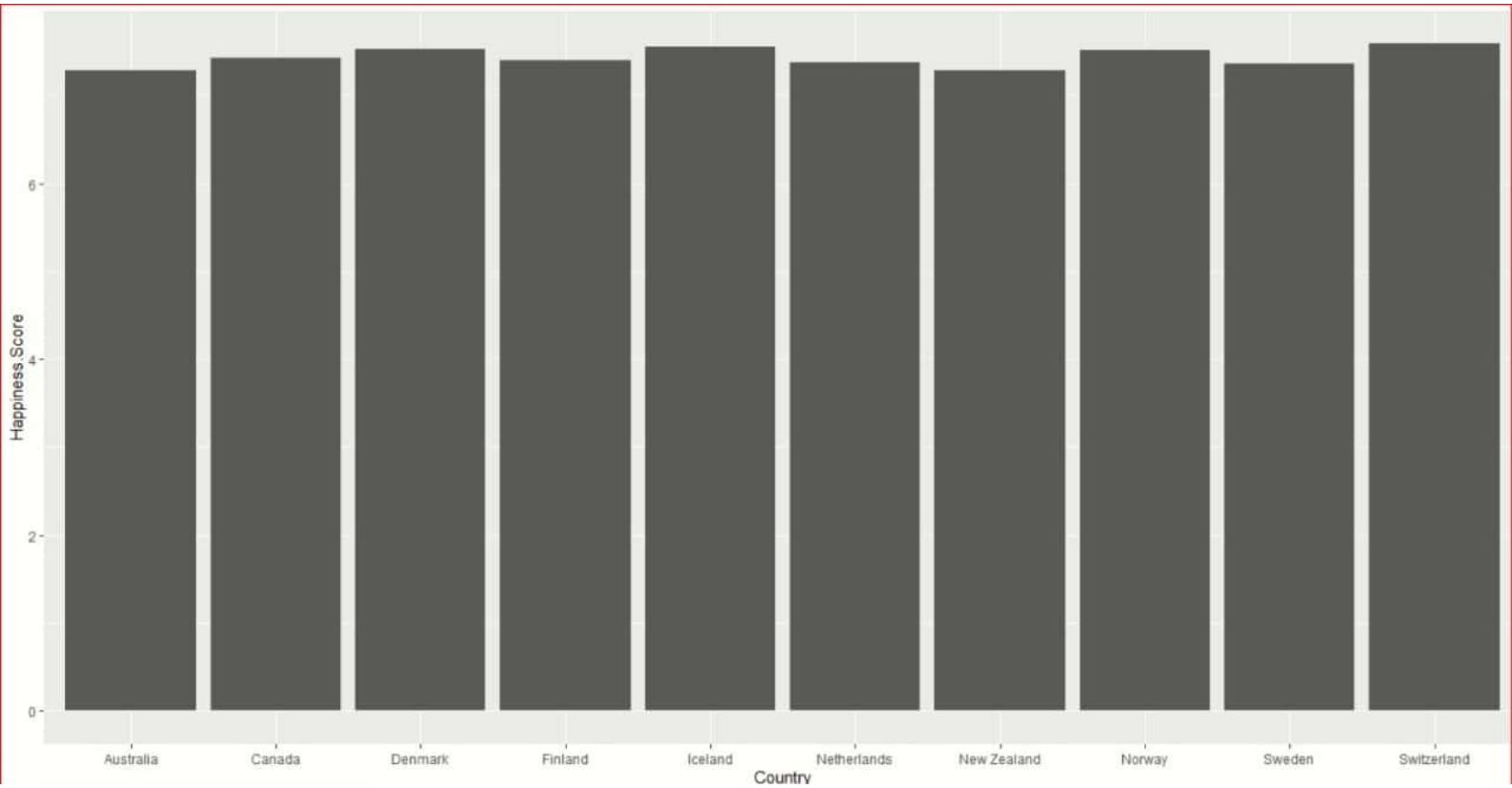
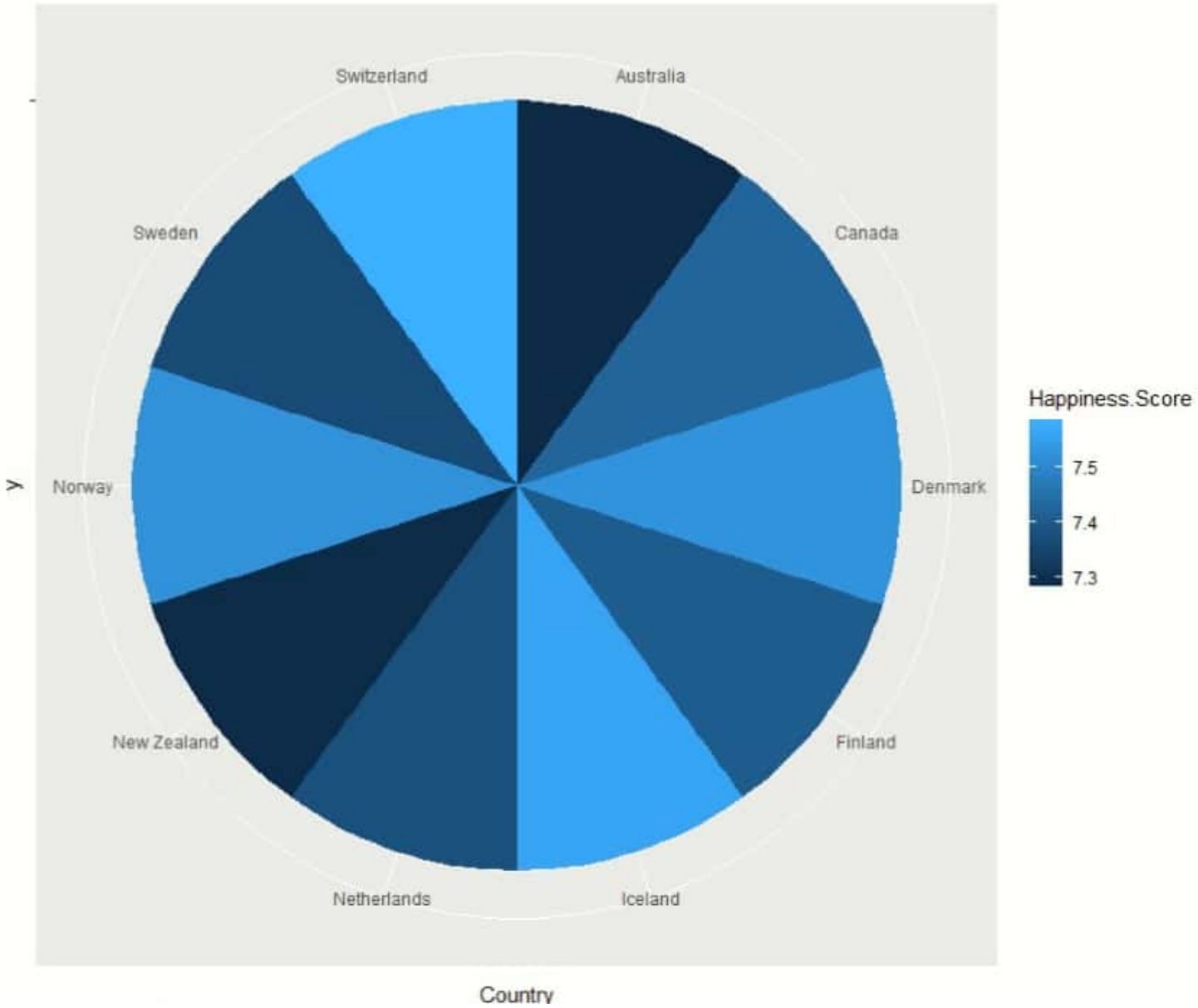


Scanned with CamScanner



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```
> min(mydata1$Happiness.Score)
[1] 7.284
> max(mydata1$Happiness.Score)
[1] 7.587
> mean(mydata1$Happiness.Score)
[1] 7.4342
> median(mydata1$Happiness.Score)
[1] 7.4165
> quantile(mydata1$Happiness.Score, 0.25)
    25%
7.3675
> quantile(mydata1$Happiness.Score, 0.75)
    75%
7.52575
> sd(mydata1$Happiness.Score)
[1] 0.1101532
> var(mydata1$Happiness.Score)
[1] 0.01213373
```

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```
> summary(mydata1)
   Country             Region          Happiness.Rank  Happiness.Score
 Length:10          Length:10          Min.   : 1.00   Min.   :7.284
 Class :character   Class :character   1st Qu.: 3.25   1st Qu.:7.367
 Mode  :character   Mode  :character   Median : 5.50   Median :7.417
                                       Mean   : 5.50   Mean   :7.434
                                       3rd Qu.: 7.75   3rd Qu.:7.526
                                       Max.   :10.00   Max.   :7.587
 Standard.Error    Economy..GDP.per.Capita.      Family
 Min.   :0.02799   Min.   :1.250            Min.   :1.280
 1st Qu.:0.03200   1st Qu.:1.308            1st Qu.:1.311
 Median :0.03391   Median :1.328            Median :1.321
 Mean   :0.03561   Mean   :1.334            Mean   :1.328
 3rd Qu.:0.03798   3rd Qu.:1.333            3rd Qu.:1.345
 Max.   :0.04884   Max.   :1.459            Max.   :1.402
 Health..Life.Expectancy.    Freedom        Trust..Government.Corruption.
 Min.   :0.8746           Min.   :0.6158   Min.   :0.1414
 1st Qu.:0.8900           1st Qu.:0.6346   1st Qu.:0.3363
 Median :0.9070           Median :0.6455   Median :0.3894
 Mean   :0.9087           Mean   :0.6454   Mean   :0.3695
 3rd Qu.:0.9264           3rd Qu.:0.6577   3rd Qu.:0.4269
 Max.   :0.9478           Max.   :0.6697   Max.   :0.4836
   Generosity     Dystopia.Residual
 Min.   :0.2335   Min.   :2.264
 1st Qu.:0.3428   1st Qu.:2.391
 Median :0.3991   Median :2.466
 Mean   :0.3862   Mean   :2.462
 3rd Qu.:0.4527   3rd Qu.:2.511
 Max.   :0.4761   Max.   :2.702
>
```

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