MAT2001 - Statistics for Engineers

Fall semester 2019~20

Slot:B2

DIGITAL ASSIGNMENT 1

Submitted by

Name of the Student:Roshan John

Reg. no.:18BCE0975

DEPARTMENT OF MATHEMATICS
SCHOOL OF ADVANCED SCIENCES
VELLORE INSTITUTE TECHNOLOGY
VELLORE-632 014
TAMILNADU
INDIA

Date: 16-Aug-19

Please mention the Register Number and Name in every page of the document.

1. **Problem statement:**

Consider your own survey result, it should be minimum 15 questionnaires and calculate statistical measurements for your own survey result and also interpret the results

ANSWER:

Questions:

1. How will you rate the teaching in VIT

2.How happy are you with your hostel rooms

3.What do you think about the crowds and lines

4.Your reaction to the Library service provided

5.How do you feel about the way you are treated by your professors

6.How do you feel about the way you are treated by your fellow students

7.Rate the Anti-Ragging policy in VIT

8.How happy are you with the 75% attendance criteria

9.What do you think about the open book system in CAT 2

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10.Are you OK with moving between different buildings in between classes

11.Your reaction on how girls and boys have different rules during outings

12.What do you think about the diversity of the students in VIT

13.How would you rate the conversations between you and the staff in VIT

2. 14.How happy are you with the Wi-Fi services in the hostel

3. 15.How happy are you with your life in VIT

Input:

```
mydata=read.csv("F:\\roshan.csv")
mydata
data=mydata
data$q1=factor(data$q1,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q2=factor(data$q2,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q3=factor(data$q3,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q4=factor(data$q4,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q5=factor(data$q5,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q6=factor(data$q6,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q7=factor(data$q7,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
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data$q9=factor(data$q9,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q10=factor(data$q10,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q11=factor(data$q11,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q12=factor(data$q12,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q13=factor(data$q13,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q14=factor(data$q14,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q15=factor(data$q15,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data
table2=table(data$q2)
table3=table(data$q3)
table4=table(data$q4)
table5=table(data$q5)
table6=table(data$q6)
table7=table(data$q7)
table8=table(data$q8)
table9=table(data$q9)
table10=table(data$q10)
table11=table(data$q11)
table12=table(data$q12)
table13=table(data$q13)
table14=table(data$q14)
table15=table(data$q15)
pie(table1)
pie(table2)
pie(table1,main="Question 1 ")
pie(table2,main="Question 2")
pie(table3,main="Question 3 18BCE0975")
pie(table4,main="Question 4 18BCE0975")
pie(table5,main="Question 5 18BCE0975")
pie(table6,main="Question 6 18BCE0975")
pie(table7,main="Question 7 18BCE0975")
pie(table8,main="Question 8 18BCE0975")
pie(table9,main="Question 9 18BCE0975")
pie(table10,main="Question 10 18BCE0975")
pie(table11,main="Question 11 18BCE0975")
```

```
data$q1=factor(data$q1,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q2=factor(data$q2,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
data$q3=factor(data$q3,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
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data$q14=factor(data$q14,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
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data
table2=table(data$q2)
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table4=table(data$q4)
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table6=table(data$q6)
table7=table(data$q7)
table8=table(data$q8)
table9=table(data$q9)
table10=table(data$q10)
table11=table(data$q11)
table12=table(data$q12)
table13=table(data$q13)
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pie(table1)
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pie(table1,main="Question 1 ")
pie(table2,main="Question 2")
pie(table3,main="Question 3 18BCE0975")
pie(table4,main="Question 4 18BCE0975")
pie(table5,main="Question 5 18BCE0975")
pie(table6,main="Question 6 18BCE0975")
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pie(table9,main="Question 9 18BCE0975")
pie(table10,main="Question 10 18BCE0975")
pie(table11,main="Question 11 18BCE0975")
pie(table12,main="Question 12 18BCE0975")
pie(table13,main="Question 13 18BCE0975")
pie(table14,main="Question 14 18BCE0975")
pie(table15,main="Question 15 18BCE0975")
```

Ouput:

```
> mydata=read.csv("F:\\roshan.csv")
> mydata
   q1 q2 q3 q4 q5 q6 q7 q8 q9 q10 q11 q12 q13 q14 q15
1   4  4  3  2  1  1  5  1  2   3   2   1   1   5   4
2   3  5  5  5  3  4  1  2  3   5   5   2   5   5   3
3   3  4  3  1  1  4  3  4  2   1   2   3   2   4   2
4   4  3  3  4  3  4  5  5  3   5   3   5   3   5   2
5   2  5  4  1  5  4  4  4  5   4   2   5   5   5   3
6   4  5  4  1  4  4  1  3  5   1   5   4   5   1   2
7   1  2  4  2  2  5  4  4  5   5   5   1   3   5   3
8   4  5  3  4  4  4  5  4  2   1   3   1   2   1   1
9   5  5  3  1  2  1  1  4  5   3   1   5   3   2   1
10  5  5  4  2  3  2  1  3  4   3   5   1   3   4   4
11  2  4  1  4  2  1  3  1  5   5   5   1   4   1   1
12  1  4  2  3  1  1  5  2  1   5   2   5   2   4   3
13  4  5  3  1  3  5  1  3  5   4   1   5   2   4   1
14  5  1  2  2  4  1  1  1  3   1   4   2   1   5   5
15  3  2  5  4  2  3  1  3  3   5   5   1   3   3   2
16  1  4  1  2  5  5  1  3  2   4   4   4   5   1   4
17  3  5  1  5  1  1  5  5  2   2   3   5   4   4   3
18  1  2  2  5  5  1  2  1  5   4   3   5   3   3   3
19  1  2  1  2  3  1  2  5  2   5   3   5   4   2   3
20  1  3  1  4  5  2  1  2  4   3   3   1   1   3   5
21  5  2  3  3  1  2  5  4  4   2   1   1   5   4   4
22  1  4  3  3  3  5  3  3  2   2   3   2   4   4   5
23  2  2  2  2  3  1  1  1  2   5   4   2   4   4   5
24  3  3  2  1  5  5  2  1  1   5   3   1   1   1   4
25  2  3  1  2  5  4  4  2  4   5   4   1   5   2   4
26  5  3  4  2  2  3  1  3  3   2   1   1   2   3   5
27  5  5  3  2  2  5  4  1  2   2   2   4   4   5   5
28  4  4  3  4  4  3  5  1  4   3   3   4   5   2   1
29  5  3  3  3  1  4  4  4  2   1   1   4   4   5   3
30  4  3  3  1  5  3  1  3  2   5   3   2   3   5   4
31  2  2  1  5  1  5  5  1  4   4   2   2   5   2   3
32  4  1  3  1  2  1  3  5  1   3   5   1   2   1   5
33  5  3  1  5  4  4  4  3  4   1   2   1   5   1   1
34  4  3  2  3  3  5  4  2  5   1   2   4   1   3   3
35  5  3  2  1  5  1  4  1  3   3   3   5   4   5   4
36  3  2  3  3  1  5  2  3  1   3   3   2   1   5   5
37  5  1  5  5  3  4  4  1  4   2   5   2   2   3   2
38  5  5  4  1  2  5  3  2  4   5   5   3   4   3   4
39  1  5  1  3  4  5  1  5  4   3   1   3   1   5   1
40  1  1  3  2  3  3  3  5  3   2   5   3   5   5   1
41  3  2  5  1  3  5  4  5  3   1   3   5   3   5   4
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Roshan John

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41  3  2  5  1  3  5  4  5  3   1   3   5   3   5   4
42  1  1  5  1  1  3  1  2  1   3   2   3   2   1   2
43  3  1  3  3  1  2  5  5  1   5   3   3   3   1   1
44  1  3  5  4  5  5  5  2  4   3   1   1   2   4   4
45  2  3  2  1  2  4  1  3  5   3   4   1   2   1   2
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47  3  2  5  2  5  1  2  3  5   1   1   2   4   5   1
48  2  5  3  1  2  1  5  4  5   5   3   2   1   4   4
49  5  2  5  1  5  5  5  3  1   5   3   5   4   3   5
50  4  5  5  1  4  5  3  3  4   2   4   1   1   4   4
> data=mydata
> data$q1=factor(data$q1,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
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> data$q15=factor(data$q15,labels=c("Extremely Happy","Happy","Hmm..Its OK","Dissapointed","Very Dissapointed"))
> data
                q1              q2                  q3                  q4                  q5                  q6                  q7                  q8                  q9                 q10
1       Dissapointed       Dissapointed        Hmm..Its OK               Happy   Extremely Happy   Extremely Happy Very Dissapointed   Extremely Happy               Happy        Hmm..Its OK
2        Hmm..Its OK Very Dissapointed Very Dissapointed Very Dissapointed        Hmm..Its OK      Dissapointed   Extremely Happy               Happy        Hmm..Its OK Very Dissapointed
3        Hmm..Its OK       Dissapointed        Hmm..Its OK   Extremely Happy   Extremely Happy      Dissapointed        Hmm..Its OK       Dissapointed               Happy   Extremely Happy
4       Dissapointed            Hmm..Its OK        Hmm..Its OK      Dissapointed        Hmm..Its OK      Dissapointed Very Dissapointed Very Dissapointed        Hmm..Its OK Very Dissapointed
5                Happy Very Dissapointed       Dissapointed   Extremely Happy Very Dissapointed      Dissapointed       Dissapointed       Dissapointed Very Dissapointed       Dissapointed
6       Dissapointed Very Dissapointed       Dissapointed   Extremely Happy       Dissapointed      Dissapointed   Extremely Happy        Hmm..Its OK Very Dissapointed   Extremely Happy
7    Extremely Happy               Happy       Dissapointed               Happy Very Dissapointed       Dissapointed       Dissapointed Very Dissapointed Very Dissapointed
8       Dissapointed Very Dissapointed        Hmm..Its OK       Dissapointed      Dissapointed      Dissapointed Very Dissapointed       Dissapointed               Happy   Extremely Happy
9  Very Dissapointed Very Dissapointed        Hmm..Its OK   Extremely Happy               Happy   Extremely Happy   Extremely Happy       Dissapointed        Hmm..Its OK       Dissapointed
10 Very Dissapointed Very Dissapointed       Dissapointed               Happy        Hmm..Its OK               Happy   Extremely Happy        Hmm..Its OK       Dissapointed        Hmm..Its OK
11               Happy       Dissapointed   Extremely Happy       Dissapointed               Happy   Extremely Happy        Hmm..Its OK   Extremely Happy Very Dissapointed Very Dissapointed
12   Extremely Happy       Dissapointed               Happy        Hmm..Its OK   Extremely Happy   Extremely Happy Very Dissapointed               Happy   Extremely Happy Very Dissapointed
13      Dissapointed Very Dissapointed        Hmm..Its OK   Extremely Happy        Hmm..Its OK Very Dissapointed   Extremely Happy        Hmm..Its OK Very Dissapointed       Dissapointed
14 Very Dissapointed   Extremely Happy               Happy               Happy       Dissapointed   Extremely Happy   Extremely Happy   Extremely Happy        Hmm..Its OK   Extremely Happy
15       Hmm..Its OK               Happy Very Dissapointed       Dissapointed               Happy        Hmm..Its OK   Extremely Happy        Hmm..Its OK Very Dissapointed       Dissapointed
16   Extremely Happy       Dissapointed   Extremely Happy               Happy Very Dissapointed Very Dissapointed   Extremely Happy        Hmm..Its OK               Happy       Dissapointed
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16   Extremely Happy       Dissapointed   Extremely Happy               Happy Very Dissapointed Very Dissapointed   Extremely Happy        Hmm..Its OK               Happy       Dissapointed
17       Hmm..Its OK Very Dissapointed   Extremely Happy Very Dissapointed   Extremely Happy   Extremely Happy Very Dissapointed Very Dissapointed               Happy               Happy
18   Extremely Happy               Happy               Happy Very Dissapointed Very Dissapointed   Extremely Happy               Happy   Extremely Happy Very Dissapointed       Dissapointed
19   Extremely Happy               Happy   Extremely Happy               Happy        Hmm..Its OK   Extremely Happy               Happy Very Dissapointed               Happy Very Dissapointed
20   Extremely Happy        Hmm..Its OK   Extremely Happy      Dissapointed Very Dissapointed               Happy   Extremely Happy               Happy       Dissapointed        Hmm..Its OK
21 Very Dissapointed               Happy        Hmm..Its OK        Hmm..Its OK   Extremely Happy               Happy Very Dissapointed       Dissapointed       Dissapointed               Happy
22   Extremely Happy       Dissapointed        Hmm..Its OK        Hmm..Its OK       Hmm..Its OK Very Dissapointed       Hmm..Its OK        Hmm..Its OK               Happy               Happy
23               Happy               Happy               Happy               Happy        Hmm..Its OK   Extremely Happy   Extremely Happy   Extremely Happy               Happy Very Dissapointed
24        Hmm..Its OK        Hmm..Its OK               Happy   Extremely Happy Very Dissapointed Very Dissapointed               Happy   Extremely Happy   Extremely Happy Very Dissapointed
25               Happy        Hmm..Its OK   Extremely Happy               Happy Very Dissapointed       Dissapointed       Dissapointed               Happy       Dissapointed Very Dissapointed
26 Very Dissapointed        Hmm..Its OK       Dissapointed               Happy               Happy        Hmm..Its OK   Extremely Happy        Hmm..Its OK        Hmm..Its OK               Happy
27 Very Dissapointed Very Dissapointed        Hmm..Its OK               Happy               Happy Very Dissapointed       Dissapointed   Extremely Happy               Happy               Happy
28       Dissapointed       Dissapointed        Hmm..Its OK       Dissapointed       Dissapointed        Hmm..Its OK Very Dissapointed   Extremely Happy       Dissapointed        Hmm..Its OK
29 Very Dissapointed        Hmm..Its OK        Hmm..Its OK        Hmm..Its OK   Extremely Happy       Dissapointed       Dissapointed       Dissapointed               Happy   Extremely Happy
30       Dissapointed        Hmm..Its OK        Hmm..Its OK   Extremely Happy Very Dissapointed        Hmm..Its OK   Extremely Happy        Hmm..Its OK               Happy Very Dissapointed
31               Happy               Happy   Extremely Happy Very Dissapointed   Extremely Happy Very Dissapointed Very Dissapointed   Extremely Happy       Dissapointed       Dissapointed
32       Dissapointed   Extremely Happy        Hmm..Its OK   Extremely Happy               Happy   Extremely Happy        Hmm..Its OK Very Dissapointed   Extremely Happy        Hmm..Its OK
33 Very Dissapointed        Hmm..Its OK   Extremely Happy Very Dissapointed       Dissapointed       Dissapointed       Dissapointed        Hmm..Its OK       Dissapointed   Extremely Happy
34       Dissapointed        Hmm..Its OK               Happy        Hmm..Its OK        Hmm..Its OK Very Dissapointed       Dissapointed               Happy Very Dissapointed   Extremely Happy
35 Very Dissapointed        Hmm..Its OK               Happy   Extremely Happy Very Dissapointed   Extremely Happy       Dissapointed   Extremely Happy        Hmm..Its OK        Hmm..Its OK
36       Hmm..Its OK               Happy        Hmm..Its OK        Hmm..Its OK   Extremely Happy Very Dissapointed               Happy        Hmm..Its OK   Extremely Happy        Hmm..Its OK
37 Very Dissapointed   Extremely Happy Very Dissapointed Very Dissapointed        Hmm..Its OK       Dissapointed       Dissapointed   Extremely Happy       Dissapointed               Happy
38 Very Dissapointed Very Dissapointed       Dissapointed   Extremely Happy               Happy Very Dissapointed        Hmm..Its OK               Happy       Dissapointed Very Dissapointed
39   Extremely Happy Very Dissapointed   Extremely Happy        Hmm..Its OK       Dissapointed Very Dissapointed   Extremely Happy Very Dissapointed       Dissapointed        Hmm..Its OK
40   Extremely Happy   Extremely Happy        Hmm..Its OK               Happy        Hmm..Its OK        Hmm..Its OK        Hmm..Its OK Very Dissapointed        Hmm..Its OK               Happy
41       Hmm..Its OK               Happy Very Dissapointed   Extremely Happy               Happy        Hmm..Its OK Very Dissapointed       Dissapointed Very Dissapointed        Hmm..Its OK   Extremely Happy
42   Extremely Happy   Extremely Happy Very Dissapointed   Extremely Happy   Extremely Happy       Hmm..Its OK   Extremely Happy               Happy   Extremely Happy        Hmm..Its OK
43       Hmm..Its OK   Extremely Happy               Happy        Hmm..Its OK   Extremely Happy               Happy Very Dissapointed Very Dissapointed       Dissapointed        Hmm..Its OK
44   Extremely Happy        Hmm..Its OK Very Dissapointed       Dissapointed Very Dissapointed Very Dissapointed Very Dissapointed               Happy       Dissapointed        Hmm..Its OK
45               Happy        Hmm..Its OK               Happy   Extremely Happy               Happy       Dissapointed   Extremely Happy        Hmm..Its OK Very Dissapointed        Hmm..Its OK
46               Happy        Hmm..Its OK               Happy   Extremely Happy       Dissapointed       Dissapointed Very Dissapointed        Hmm..Its OK               Happy               Happy
47       Hmm..Its OK               Happy Very Dissapointed               Happy Very Dissapointed   Extremely Happy               Happy        Hmm..Its OK Very Dissapointed   Extremely Happy
48               Happy Very Dissapointed        Hmm..Its OK   Extremely Happy               Happy   Extremely Happy Very Dissapointed       Dissapointed Very Dissapointed Very Dissapointed
49 Very Dissapointed               Happy Very Dissapointed   Extremely Happy Very Dissapointed Very Dissapointed        Hmm..Its OK   Extremely Happy Very Dissapointed
50       Dissapointed Very Dissapointed Very Dissapointed   Extremely Happy       Dissapointed Very Dissapointed        Hmm..Its OK        Hmm..Its OK       Dissapointed               Happy
                q11             q12             q13             q14             q15
1                Happy   Extremely Happy   Extremely Happy Very Dissapointed       Dissapointed
2  Very Dissapointed               Happy Very Dissapointed Very Dissapointed        Hmm..Its OK
3                Happy        Hmm..Its OK               Happy       Dissapointed               Happy
4        Hmm..Its OK Very Dissapointed        Hmm..Its OK Very Dissapointed               Happy
5                Happy Very Dissapointed Very Dissapointed Very Dissapointed        Hmm..Its OK
6  Very Dissapointed       Dissapointed Very Dissapointed   Extremely Happy               Happy
7  Very Dissapointed   Extremely Happy        Hmm..Its OK Very Dissapointed        Hmm..Its OK
8        Hmm..Its OK   Extremely Happy               Happy   Extremely Happy   Extremely Happy
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8        Hmm..Its OK   Extremely Happy               Happy   Extremely Happy   Extremely Happy
9    Extremely Happy Very Dissapointed        Hmm..Its OK               Happy   Extremely Happy
10 Very Dissapointed   Extremely Happy        Hmm..Its OK       Dissapointed       Dissapointed
11 Very Dissapointed   Extremely Happy       Dissapointed   Extremely Happy   Extremely Happy
12               Happy Very Dissapointed               Happy       Dissapointed        Hmm..Its OK
13   Extremely Happy Very Dissapointed               Happy       Dissapointed   Extremely Happy
14       Dissapointed               Happy   Extremely Happy Very Dissapointed Very Dissapointed
15 Very Dissapointed   Extremely Happy        Hmm..Its OK        Hmm..Its OK               Happy
16       Dissapointed       Dissapointed Very Dissapointed   Extremely Happy       Dissapointed
17        Hmm..Its OK Very Dissapointed       Dissapointed       Dissapointed        Hmm..Its OK
18        Hmm..Its OK Very Dissapointed        Hmm..Its OK        Hmm..Its OK        Hmm..Its OK
19        Hmm..Its OK Very Dissapointed       Dissapointed               Happy        Hmm..Its OK
20        Hmm..Its OK   Extremely Happy   Extremely Happy        Hmm..Its OK Very Dissapointed
21   Extremely Happy   Extremely Happy Very Dissapointed       Dissapointed       Dissapointed
22        Hmm..Its OK               Happy       Dissapointed       Dissapointed Very Dissapointed
23       Dissapointed               Happy       Dissapointed       Dissapointed Very Dissapointed
24        Hmm..Its OK   Extremely Happy   Extremely Happy   Extremely Happy       Dissapointed
25       Dissapointed   Extremely Happy Very Dissapointed               Happy       Dissapointed
26   Extremely Happy   Extremely Happy               Happy        Hmm..Its OK Very Dissapointed
27               Happy       Dissapointed       Dissapointed Very Dissapointed Very Dissapointed
28        Hmm..Its OK       Dissapointed Very Dissapointed               Happy   Extremely Happy
29   Extremely Happy       Dissapointed       Dissapointed Very Dissapointed        Hmm..Its OK
30        Hmm..Its OK               Happy        Hmm..Its OK Very Dissapointed       Dissapointed
31               Happy               Happy Very Dissapointed               Happy        Hmm..Its OK
32 Very Dissapointed   Extremely Happy               Happy   Extremely Happy Very Dissapointed
33               Happy   Extremely Happy Very Dissapointed   Extremely Happy   Extremely Happy
34               Happy       Dissapointed   Extremely Happy        Hmm..Its OK       Dissapointed
35        Hmm..Its OK Very Dissapointed       Dissapointed Very Dissapointed       Dissapointed
36        Hmm..Its OK               Happy   Extremely Happy Very Dissapointed Very Dissapointed
37 Very Dissapointed               Happy               Happy        Hmm..Its OK               Happy
38 Very Dissapointed        Hmm..Its OK       Dissapointed        Hmm..Its OK       Dissapointed
39   Extremely Happy        Hmm..Its OK   Extremely Happy Very Dissapointed Very Dissapointed   Extremely Happy
40 Very Dissapointed        Hmm..Its OK Very Dissapointed Very Dissapointed Very Dissapointed   Extremely Happy
41        Hmm..Its OK Very Dissapointed        Hmm..Its OK Very Dissapointed       Dissapointed
42               Happy        Hmm..Its OK               Happy   Extremely Happy               Happy
43        Hmm..Its OK        Hmm..Its OK        Hmm..Its OK   Extremely Happy   Extremely Happy
44   Extremely Happy   Extremely Happy               Happy       Dissapointed       Dissapointed
45       Dissapointed   Extremely Happy               Happy   Extremely Happy               Happy
46 Very Dissapointed       Dissapointed               Happy        Hmm..Its OK               Happy
47   Extremely Happy               Happy       Dissapointed Very Dissapointed   Extremely Happy
48        Hmm..Its OK               Happy   Extremely Happy       Dissapointed       Dissapointed
49        Hmm..Its OK Very Dissapointed       Dissapointed        Hmm..Its OK Very Dissapointed
50       Dissapointed   Extremely Happy   Extremely Happy       Dissapointed       Dissapointed
> table2=table(data$q2)
```

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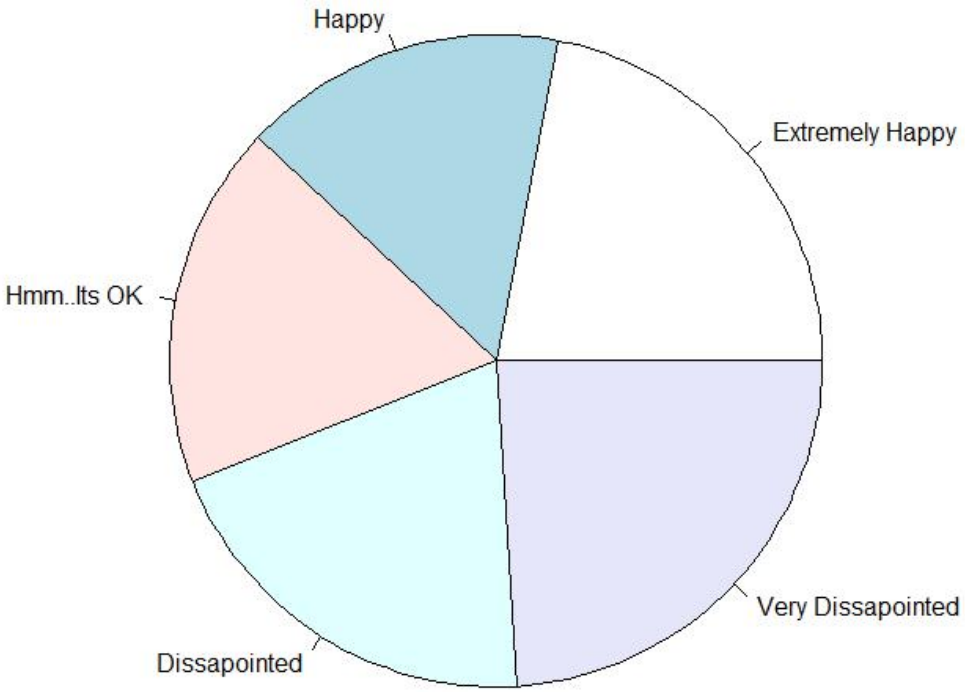
Roshan John

```
39   Extremely Happy       Hmm..Its OK   Extremely Happy Very Dissapointed   Extremely Happy
40 Very Dissapointed       Hmm..Its OK Very Dissapointed Very Dissapointed   Extremely Happy
41       Hmm..Its OK Very Dissapointed       Hmm..Its OK Very Dissapointed      Dissapointed
42             Happy       Hmm..Its OK             Happy   Extremely Happy             Happy
43       Hmm..Its OK       Hmm..Its OK       Hmm..Its OK   Extremely Happy   Extremely Happy
44   Extremely Happy   Extremely Happy             Happy      Dissapointed      Dissapointed
45      Dissapointed   Extremely Happy             Happy   Extremely Happy             Happy
46 Very Dissapointed      Dissapointed             Happy       Hmm..Its OK             Happy
47   Extremely Happy             Happy      Dissapointed Very Dissapointed   Extremely Happy
48       Hmm..Its OK             Happy   Extremely Happy      Dissapointed      Dissapointed
49       Hmm..Its OK Very Dissapointed      Dissapointed       Hmm..Its OK Very Dissapointed
50      Dissapointed   Extremely Happy   Extremely Happy      Dissapointed      Dissapointed
> table2=table(data$q2)
> table3=table(data$q3)
> table4=table(data$q4)
> table5=table(data$q5)
> table6=table(data$q6)
> table7=table(data$q7)
> table8=table(data$q8)
> table9=table(data$q9)
> table10=table(data$q10)
> table11=table(data$q11)
> table12=table(data$q12)
> table13=table(data$q13)
> table14=table(data$q14)
> table15=table(data$q15)
> pie(table1)
> pie(table2)
> pie(table1,main="Question 1 ")
> pie(table2,main="Question 2")
> pie(table3,main="Question 3 18BCE0975")
> pie(table4,main="Question 4 18BCE0975")
> pie(table5,main="Question 5 18BCE0975")
> pie(table6,main="Question 6 18BCE0975")
> pie(table7,main="Question 7 18BCE0975")
> pie(table8,main="Question 8 18BCE0975")
> pie(table9,main="Question 9 18BCE0975")
> pie(table10,main="Question 10 18BCE0975")
> pie(table11,main="Question 11 18BCE0975")
> pie(table12,main="Question 12 18BCE0975")
> pie(table13,main="Question 13 18BCE0975")
> pie(table14,main="Question 14 18BCE0975")
> pie(table15,main="Question 15 18BCE0975")
>
```

18BCE0975

Roshan John

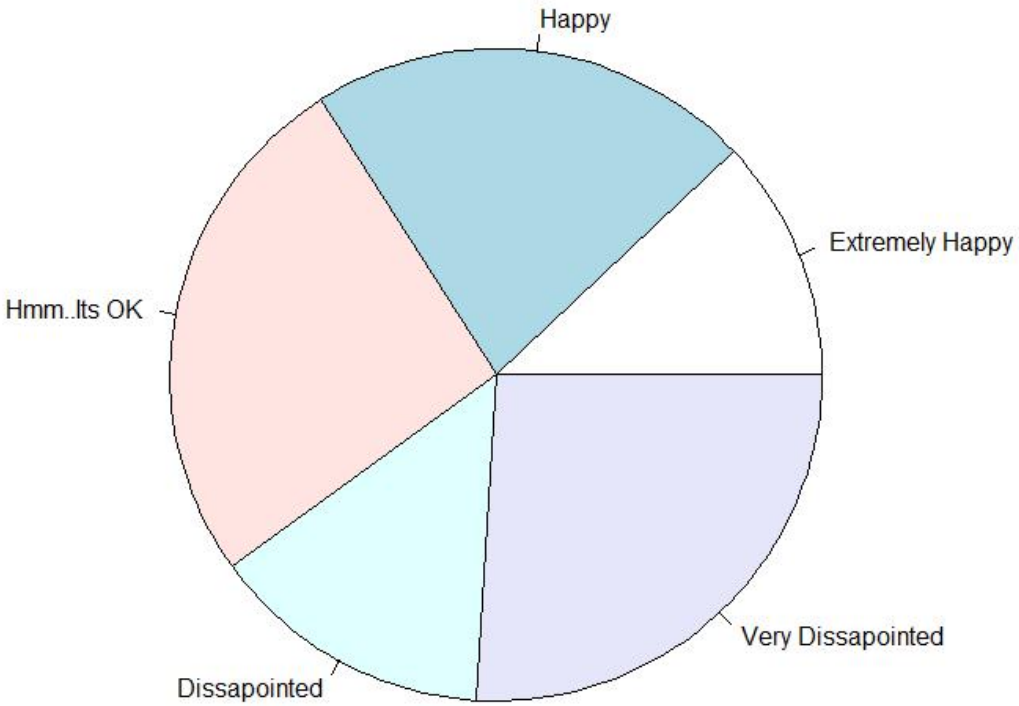
Question 1 18BCE0975



18BCE0975

Roshan John

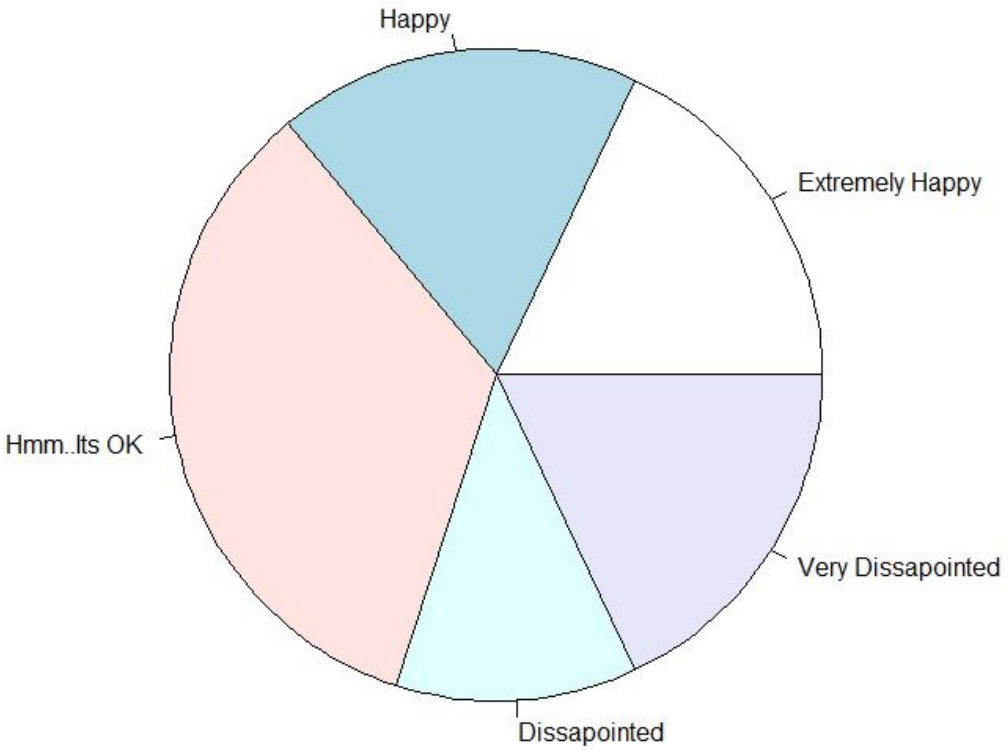
Question 2 18BCE0975



18BCE0975

Roshan John

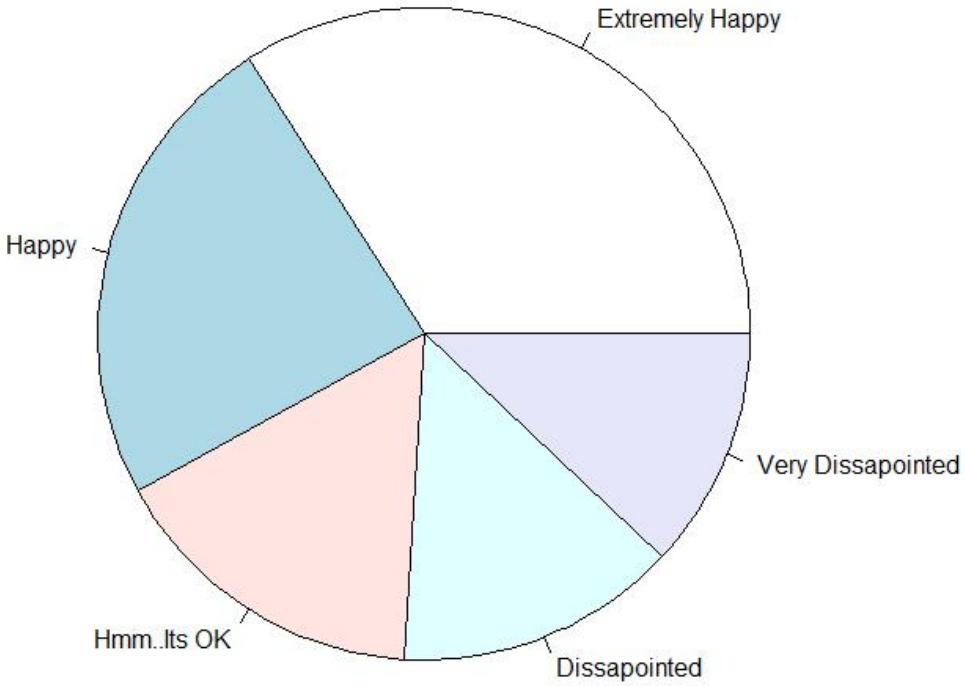
Question 3 18BCE0975



18BCE0975

Roshan John

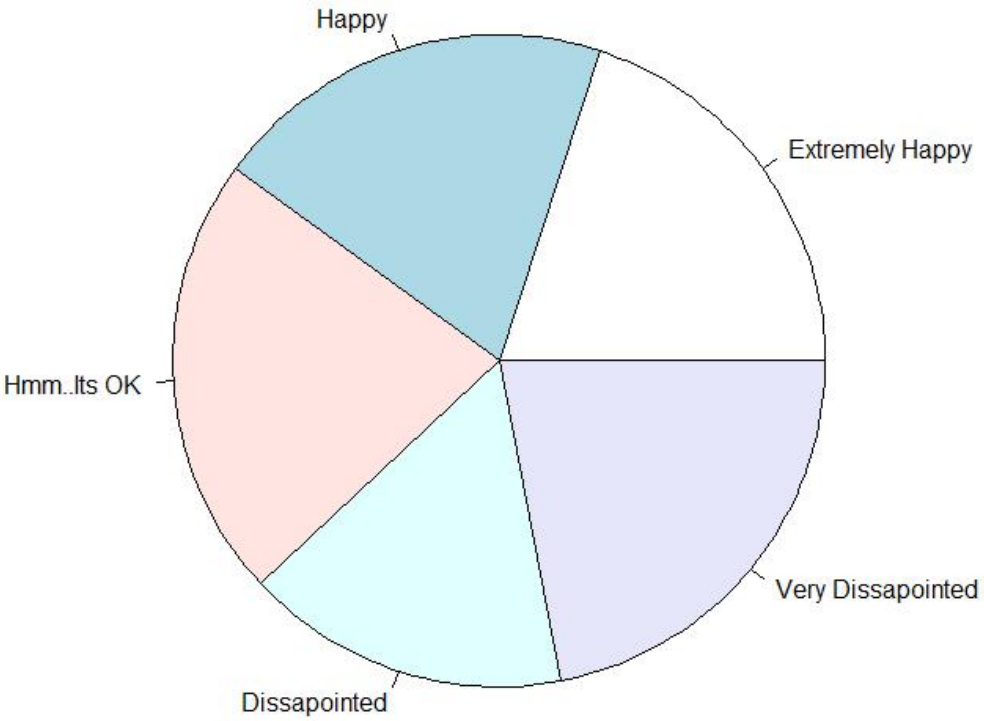
Question 4 18BCE0975



18BCE0975

Roshan John

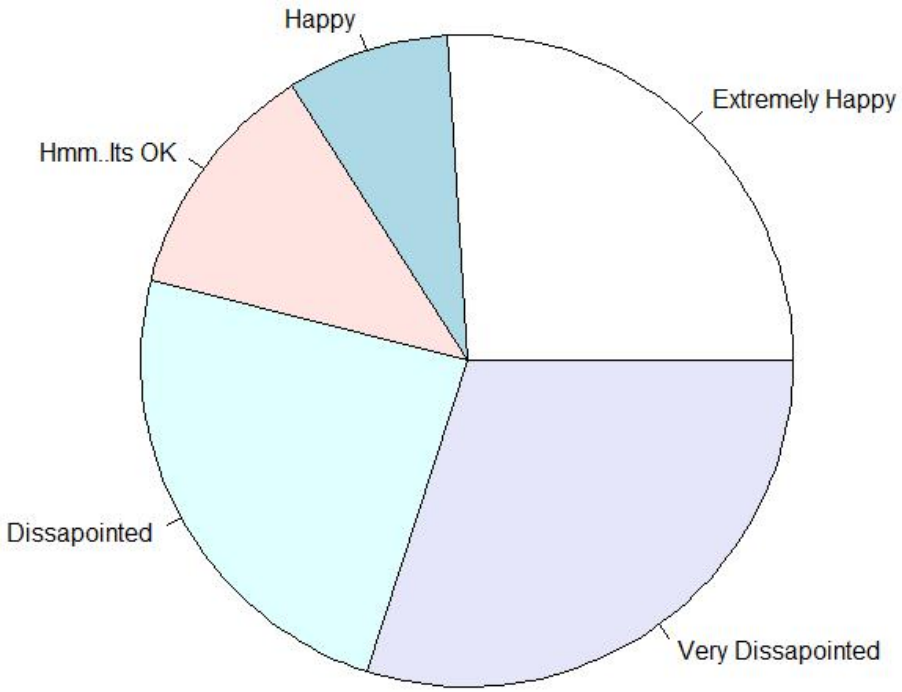
Question 5 18BCE0975



18BCE0975

Roshan John

Question 6 18BCE0975



18BCE0975

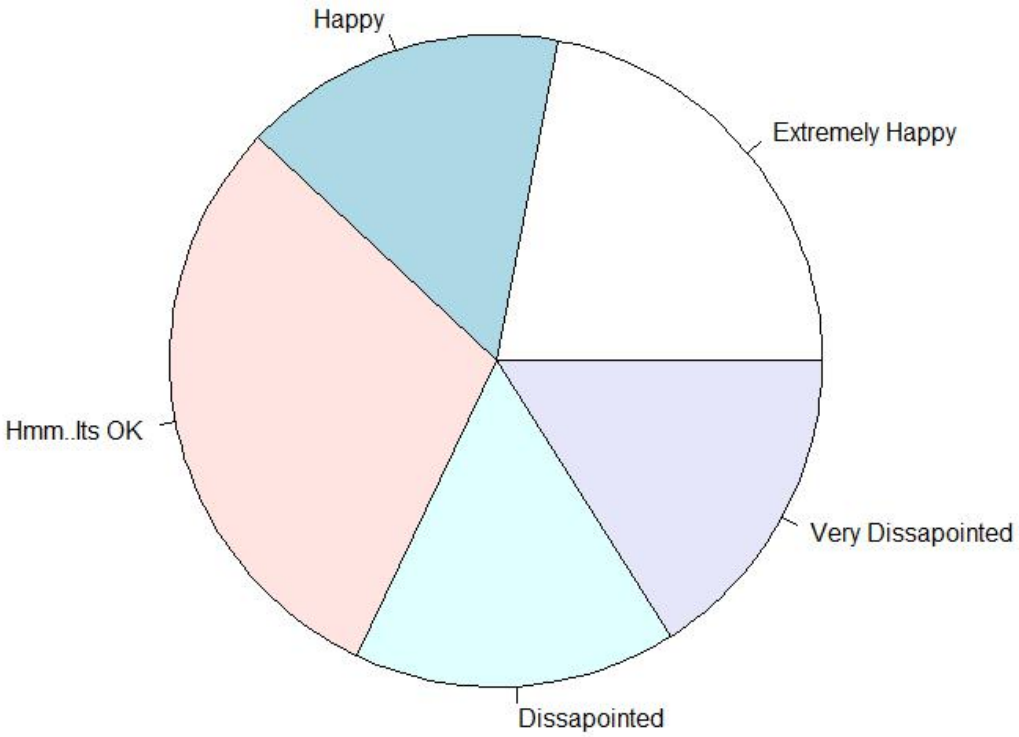
Roshan John

Question 7 18BCE0975

18BCE0975

Roshan John

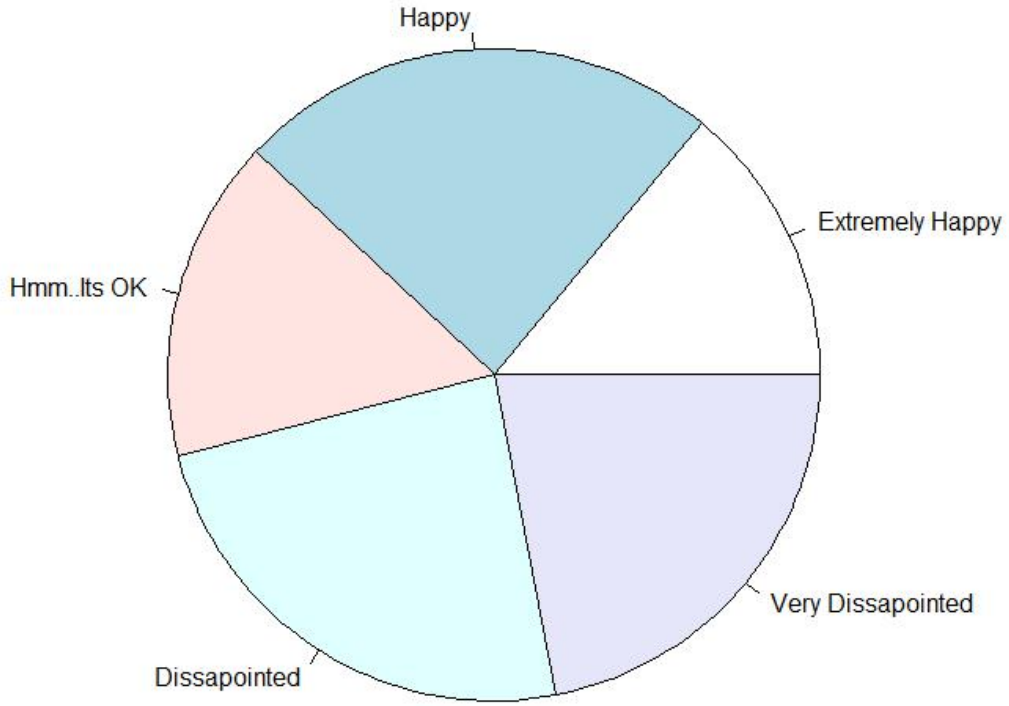
Question 8 18BCE0975



18BCE0975

Roshan John

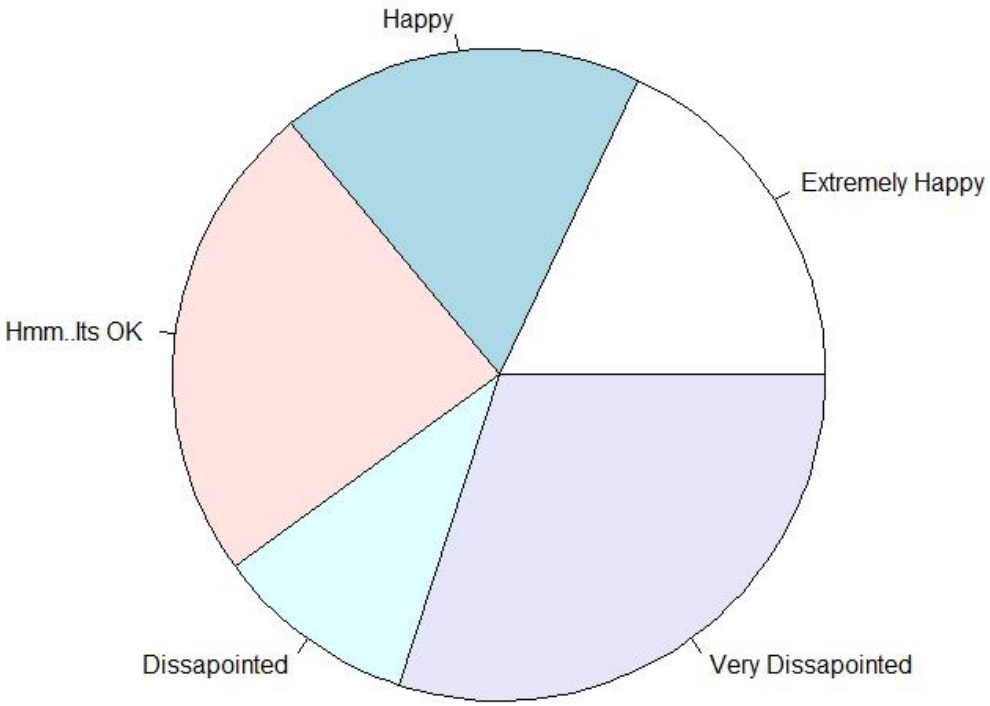
Question 9 18BCE0975



18BCE0975

Roshan John

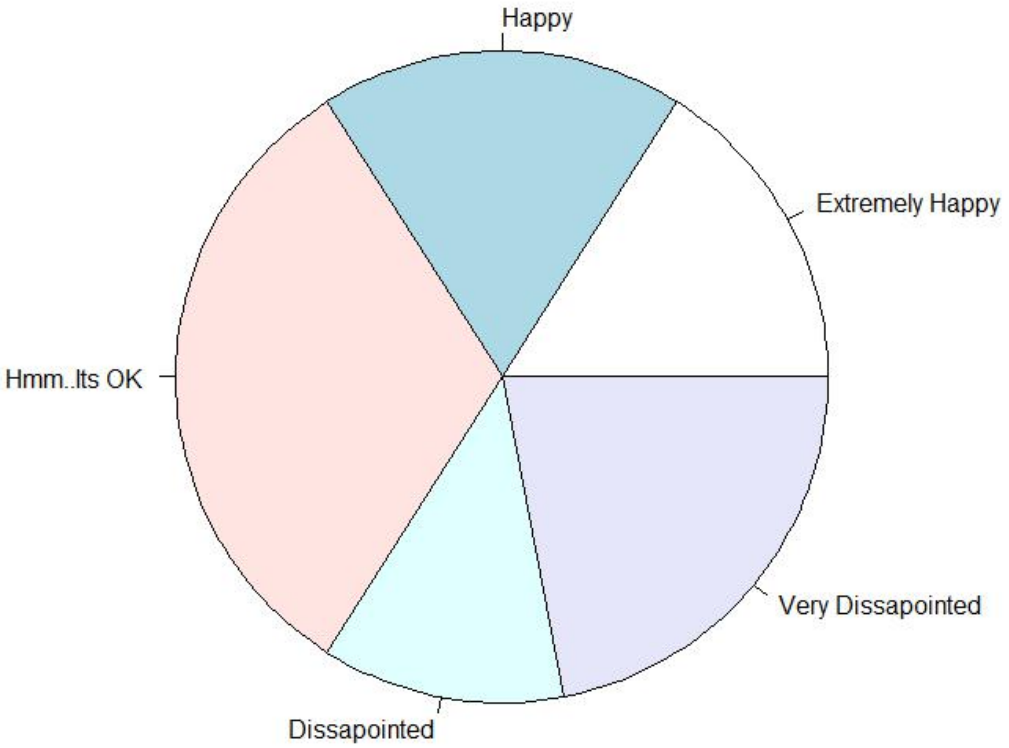
Question 10 18BCE0975



18BCE0975

Roshan John

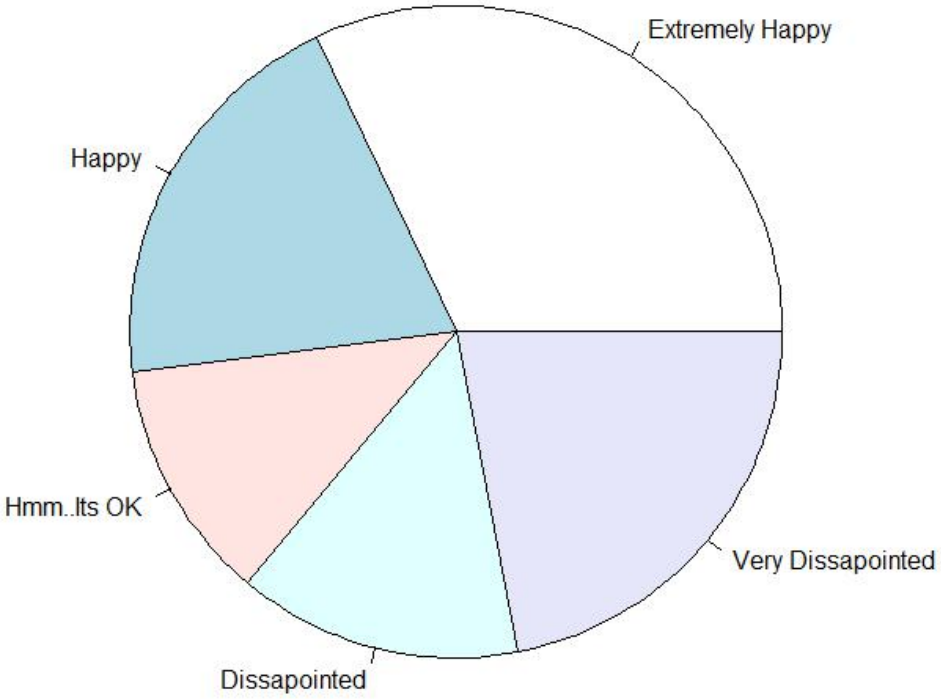
Question 11 18BCE0975



18BCE0975

Roshan John

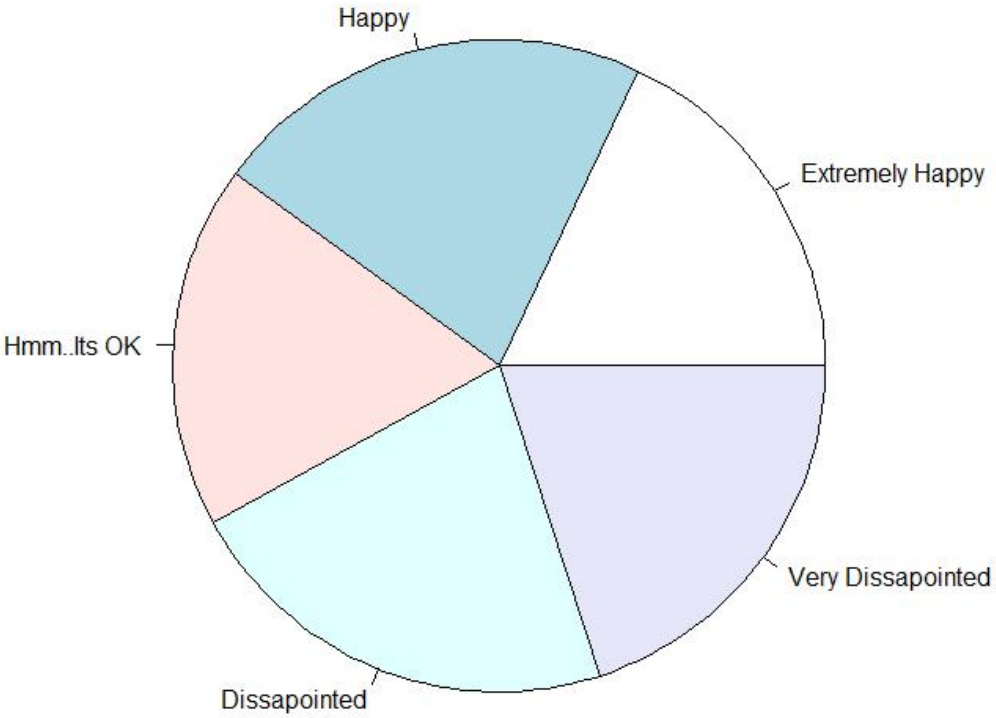
Question 12 18BCE0975



18BCE0975

Roshan John

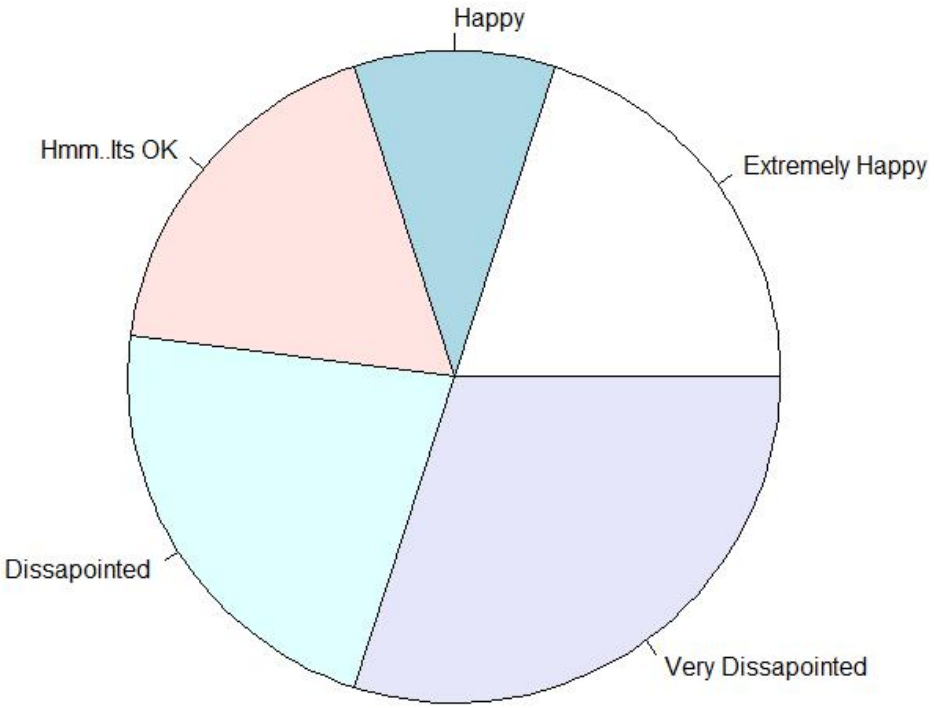
Question 13 18BCE0975



18BCE0975

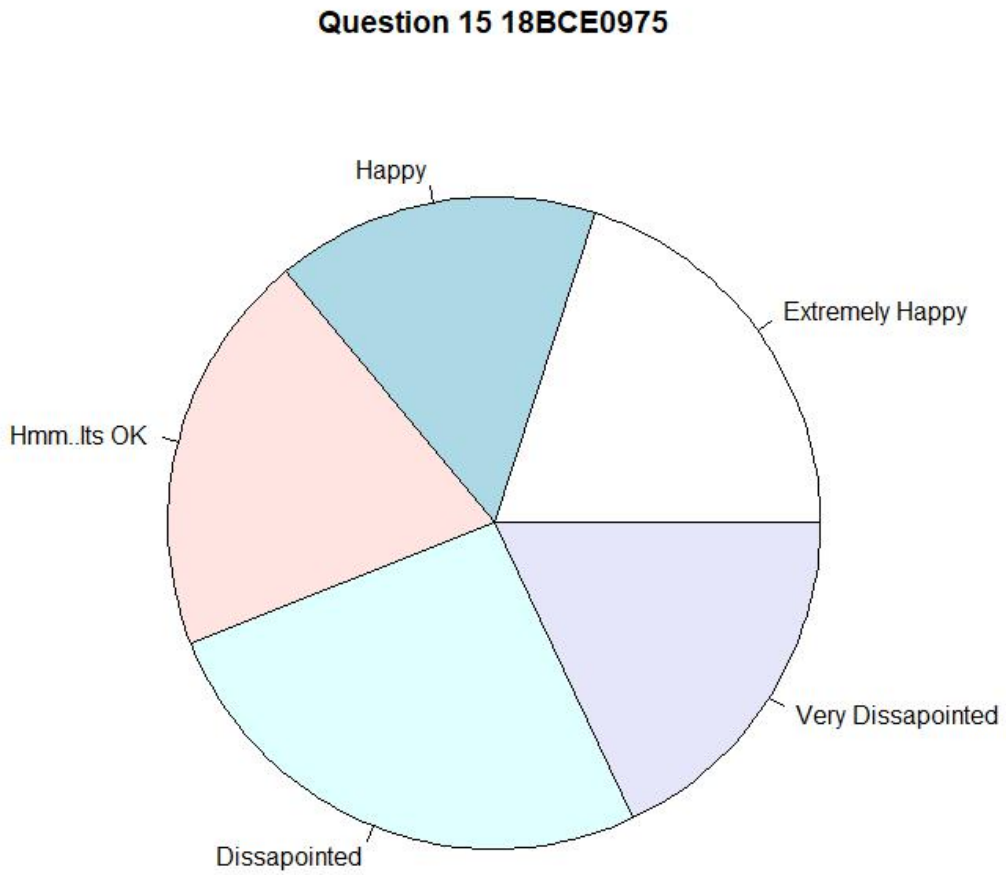
Roshan John

Question 14 18BCE0975



18BCE0975

Roshan John



CODE:

```
mydata=read.csv("F:\\roshan.csv")

mydata

data=mydata

data$q1=factor(data$q1,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

data$q2=factor(data$q2,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

data$q3=factor(data$q3,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))
```

18BCE0975

Roshan John

```
 data$q4=factor(data$q4,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q5=factor(data$q5,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q6=factor(data$q6,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q7=factor(data$q7,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q8=factor(data$q8,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q9=factor(data$q9,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q10=factor(data$q10,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q11=factor(data$q11,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q12=factor(data$q12,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q13=factor(data$q13,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q14=factor(data$q14,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data$q15=factor(data$q15,labels=c("Extremely Happy","Happy","Hmm..Its
OK","Dissapointed","Very Dissapointed"))

 data

 table2=table(data$q2)

 table3=table(data$q3)

 table4=table(data$q4)

 table5=table(data$q5)

 table6=table(data$q6)

 table7=table(data$q7)
```

```
table8=table(data$q8)
table9=table(data$q9)
table10=table(data$q10)
table11=table(data$q11)
table12=table(data$q12)
table13=table(data$q13)
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pie(table1)
pie(table2)
pie(table1,main="Question 1 ")
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pie(table14,main="Question 14 18BCE0975")
pie(table15,main="Question 15 18BCE0975")
```