

Qno_07.R

arpan

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```
# a
rating <- c(9,2,5,8,6,1,3,2,8,4,6,8,7,1,2,6,10,5,6,9,6,2,4,7)

##b.
# frequency
frequency <- table(rating)
# percentage
percentage <- frequency / sum(frequency) * 100

# Removing NA
valid_ratings <- rating[!is.na(rating)]
# Valid percentages
valid_percentages <- table(valid_ratings) / length(valid_ratings) * 100
# cumm percent
cum_percent <- cumsum(percentages)

#Binding
finaltable <- cbind(frequency,percentage,valid_percentages,cum_percent)

total <- c(colSums(finaltable[,-4]), NA)

finaltable <- round(finaltable, 2)

finaltable <- rbind(finaltable, total)

#column name
colnames(finaltable) <- c("Frequency", "Percent", "Valid Percent",
                          "Cumulative Percent")

finaltable
```

##	Frequency	Percent	Valid Percent	Cumulative Percent
## 1	2	8.33	8.33	8.33
## 2	4	16.67	16.67	25.00
## 3	1	4.17	4.17	29.17
## 4	2	8.33	8.33	37.50
## 5	2	8.33	8.33	45.83
## 6	5	20.83	20.83	66.67
## 7	2	8.33	8.33	75.00
## 8	3	12.50	12.50	87.50
## 9	2	8.33	8.33	95.83
## 10	1	4.17	4.17	100.00

## total	24	100.00	100.00	NA
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