

# FML 1

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```
data_source<-"https://www.kaggle.com/datasets/saketk511/travel-dataset-guide-to-indias-must-see-places?r
```

```
library(readxl)
```

```
file_path <- "C:/Users/hp/Desktop/assignment/Top Indian Places to Visit.xlsx"
```

```
Top_Indian_Places_to_Visit <- read_excel(file_path)
```

```
## New names:
```

```
## * `` -> `...1`
```

```
#Descriptive Statistics for Categorical Variables
```

```
Category.Variable<-c("Zone","State","City","Name","Type","Airport with 50km Radius","Weekly Off","Signi
```

```
summary(Top_Indian_Places_to_Visit[Category.Variable])
```

```
##      Zone      State      City      Name
## Length:325   Length:325   Length:325   Length:325
## Class :character Class :character Class :character Class :character
## Mode :character Mode :character Mode :character Mode :character
##      Type      Airport with 50km Radius Weekly Off
## Length:325   Length:325   Length:325
## Class :character Class :character   Class :character
## Mode :character Mode :character   Mode :character
## Significance DSLR Allowed   Best Time to visit
## Length:325   Length:325   Length:325
## Class :character Class :character Class :character
## Mode :character Mode :character Mode :character
```

```
table(Top_Indian_Places_to_Visit$Significance)
```

```
##
##      Adventure      Agricultural      Archaeological      Architectural
##           5           1           1           4
##      Artistic      Botanical      Cultural      Educational
##           2           3          13           2
## Engineering Marvel      Entertainment      Environmental      Food
##           1           5           2           1
##      Historical      Market      Natural Wonder      Nature
##          78           1           2          47
##      Recreational      Religious      Scenic      Scientific
##          30          75          10           2
##      Shopping      Spiritual      Sports      Trekking
##           7           1           2           1
##      Wildlife
```

```
##
```

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```
#Descriptive Statistics for Quantitative Variables
```

```
Quantitative.Variable<-c("time needed to visit in hrs","Google review rating","Entrance Fee in INR","Num
```

```
summary(Top_Indian_Places_to_Visit[Quantitative.Variable])
```

```
## time needed to visit in hrs Google review rating Entrance Fee in INR
## Min. :0.500 Min. :1.400 Min. : 0.0
## 1st Qu.:1.000 1st Qu.:4.400 1st Qu.: 0.0
## Median :1.500 Median :4.500 Median : 0.0
## Mean :1.808 Mean :4.486 Mean : 115.8
## 3rd Qu.:2.000 3rd Qu.:4.600 3rd Qu.: 40.0
## Max. :7.000 Max. :4.900 Max. :7500.0
## Number of google review in lakhs
## Min. :0.0100
## 1st Qu.:0.0590
## Median :0.1700
## Mean :0.4084
## 3rd Qu.:0.5000
## Max. :7.4000
```

```
#Transformation of a variable(Transforming the class of variable i.e Entrance Fee in INR from numerical to character )
```

```
class(Top_Indian_Places_to_Visit$`Entrance Fee in INR`)
```

```
## [1] "numeric"
```

```
Top_Indian_Places_to_Visit$`Entrance Fee in INR`<-as.character(Top_Indian_Places_to_Visit$`Entrance Fee
```

```
class(Top_Indian_Places_to_Visit$`Entrance Fee in INR`)
```

```
## [1] "character"
```

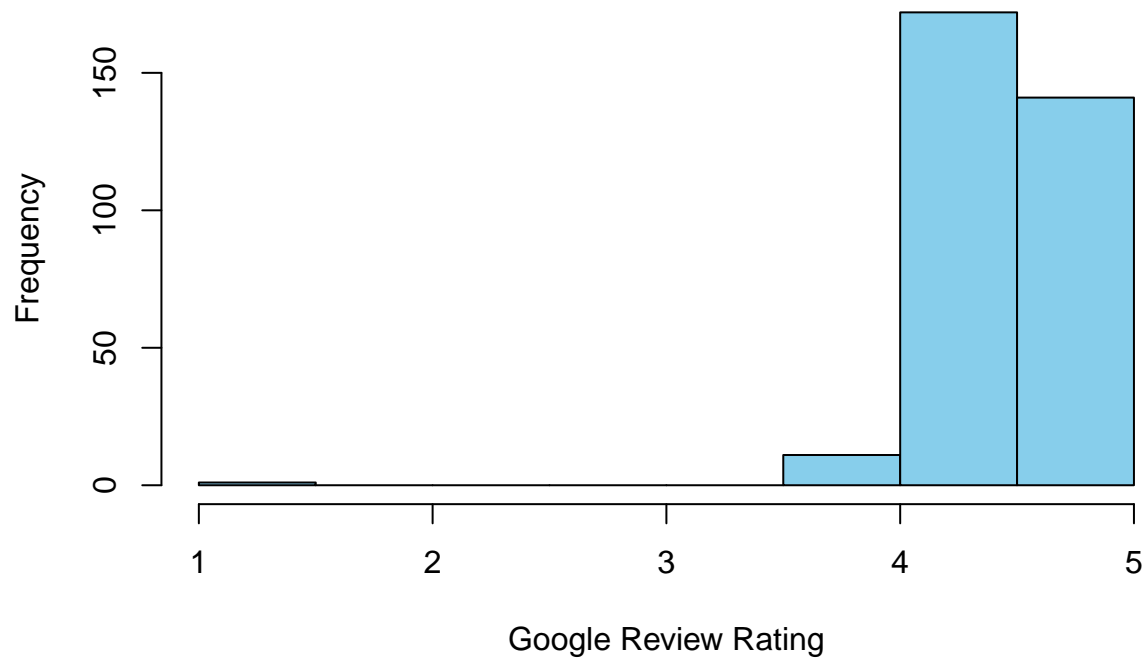
```
sapply(Top_Indian_Places_to_Visit,class)
```

```
## ...1 Zone
## "numeric" "character"
## State City
## "character" "character"
## Name Type
## "character" "character"
## time needed to visit in hrs Google review rating
## "numeric" "numeric"
## Entrance Fee in INR Airport with 50km Radius
## "character" "character"
## Weekly Off Significance
## "character" "character"
## DSLR Allowed Number of google review in lakhs
## "character" "numeric"
## Best Time to visit
## "character"
```

```
#Histogram of Google Review Rating
```

```
hist(Top_Indian_Places_to_Visit$`Google review rating`, main = "Histogram of Google Review Rating", xlab
```

## Histogram of Google Review Rating



#Scatterplot of Google Review Rating vs Entrance Fee

```
plot(Top_Indian_Places_to_Visit$`Entrance Fee in INR`,main = "Scatterplot of Entrance Fee (in INR)",xlab = "Entrance Fee (in INR)",ylab = "Google Review Rating")
```

**Scatterplot of Entrance Fee (in INR)**

