FML Assignment-1

2023-09-10

# Download

Source file is from kaggle(<https://www.kaggle.com/datasets/luiscorter/netflix-original-films-imdb-scores>)

# Import

OTT <- read.csv("NetflixOriginals.csv")  
head(OTT)

## Title Genre Premiere Runtime IMDB.Score  
## 1 Enter the Anime Documentary August 5, 2019 58 2.5  
## 2 Dark Forces Thriller August 21, 2020 81 2.6  
## 3 The App Science fiction/Drama December 26, 2019 79 2.6  
## 4 The Open House Horror thriller January 19, 2018 94 3.2  
## 5 Kaali Khuhi Mystery October 30, 2020 90 3.4  
## 6 Drive Action November 1, 2019 147 3.5  
## Language  
## 1 English/Japanese  
## 2 Spanish  
## 3 Italian  
## 4 English  
## 5 Hindi  
## 6 Hindi

summary(OTT$Runtime)

## Min. 1st Qu. Median Mean 3rd Qu. Max.   
## 4.00 86.00 97.00 93.58 108.00 209.00

table(OTT$Genre)

##   
## Action Action-adventure   
## 7 1   
## Action-thriller Action comedy   
## 3 5   
## Action thriller Action/Comedy   
## 1 1   
## Action/Science fiction Adventure   
## 1 2   
## Adventure-romance Adventure/Comedy   
## 1 1   
## Aftershow / Interview Animated musical comedy   
## 6 1   
## Animation Animation / Comedy   
## 5 1   
## Animation / Musicial Animation / Science Fiction   
## 1 1   
## Animation / Short Animation/Christmas/Comedy/Adventure   
## 4 1   
## Animation/Comedy/Adventure Animation/Musical/Adventure   
## 1 1   
## Animation/Superhero Anime / Short   
## 1 1   
## Anime/Fantasy Anime/Science fiction   
## 1 2   
## Anthology/Dark comedy Biographical/Comedy   
## 1 1   
## Biopic Black comedy   
## 9 2   
## Christian musical Christmas comedy   
## 1 1   
## Christmas musical Christmas/Fantasy/Adventure/Comedy   
## 1 1   
## Comedy Comedy-drama   
## 49 14   
## Comedy / Musical Comedy horror   
## 2 1   
## Comedy mystery Comedy/Fantasy/Family   
## 1 1   
## Comedy/Horror Coming-of-age comedy-drama   
## 1 1   
## Concert Film Crime drama   
## 6 11   
## Crime thriller Dance comedy   
## 1 1   
## Dark comedy Documentary   
## 2 159   
## Drama Drama-Comedy   
## 77 1   
## Drama / Short Drama/Horror   
## 1 1   
## Family Family film   
## 2 2   
## Family/Christmas musical Family/Comedy-drama   
## 1 1   
## Fantasy Heist   
## 1 1   
## Heist film/Thriller Hidden-camera prank comedy   
## 1 1   
## Historical-epic Historical drama   
## 1 1   
## Horror Horror-thriller   
## 9 2   
## Horror anthology Horror comedy   
## 1 1   
## Horror thriller Horror/Crime drama   
## 3 1   
## Making-of Mentalism special   
## 2 1   
## Mockumentary Musical   
## 2 2   
## Musical / Short Musical comedy   
## 1 2   
## Musical/Western/Fantasy Mystery   
## 1 2   
## One-man show Political thriller   
## 3 1   
## Psychological horror Psychological thriller   
## 1 4   
## Psychological thriller drama Romance   
## 1 6   
## Romance drama Romantic comedy   
## 1 39   
## Romantic comedy-drama Romantic comedy/Holiday   
## 1 1   
## Romantic drama Romantic teen drama   
## 5 1   
## Romantic teenage drama Romantic thriller   
## 1 1   
## Satire Science fiction   
## 2 4   
## Science fiction adventure Science fiction thriller   
## 1 1   
## Science fiction/Action Science fiction/Drama   
## 1 3   
## Science fiction/Mystery Science fiction/Thriller   
## 1 4   
## Sports-drama Sports film   
## 3 1   
## Spy thriller Stop Motion   
## 2 1   
## Superhero Superhero-Comedy   
## 2 1   
## Superhero/Action Supernatural drama   
## 1 1   
## Teen comedy-drama Teen comedy horror   
## 1 1   
## Thriller Urban fantasy   
## 33 1   
## Variety show Variety Show   
## 4 1   
## War War-Comedy   
## 2 1   
## War drama Western   
## 2 3   
## Zombie/Heist   
## 1

table(OTT$Language)

##   
## Bengali Dutch   
## 1 3   
## English English/Akan   
## 401 1   
## English/Arabic English/Hindi   
## 1 2   
## English/Japanese English/Korean   
## 2 1   
## English/Mandarin English/Russian   
## 2 1   
## English/Spanish English/Swedish   
## 5 1   
## English/Taiwanese/Mandarin English/Ukranian/Russian   
## 1 1   
## Filipino French   
## 2 20   
## Georgian German   
## 1 5   
## Hindi Indonesian   
## 33 9   
## Italian Japanese   
## 14 6   
## Khmer/English/French Korean   
## 1 6   
## Malay Marathi   
## 1 3   
## Norwegian Polish   
## 1 3   
## Portuguese Spanish   
## 12 31   
## Spanish/Basque Spanish/Catalan   
## 1 1   
## Spanish/English Swedish   
## 1 1   
## Tamil Thai   
## 1 2   
## Thia/English Turkish   
## 1 5

library(dplyr)

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

OTT\_Select<- select(OTT,Language,Genre,IMDB.Score)  
head(OTT\_Select)

## Language Genre IMDB.Score  
## 1 English/Japanese Documentary 2.5  
## 2 Spanish Thriller 2.6  
## 3 Italian Science fiction/Drama 2.6  
## 4 English Horror thriller 3.2  
## 5 Hindi Mystery 3.4  
## 6 Hindi Action 3.5

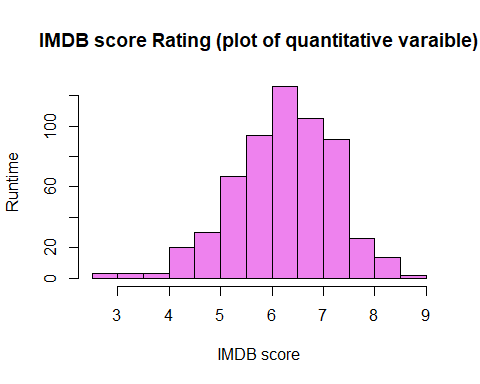
RuntimeinHours<- (OTT$Runtime/60)  
head(RuntimeinHours)

## [1] 0.9666667 1.3500000 1.3166667 1.5666667 1.5000000 2.4500000

OTT\_Square <- OTT$IMDB.Score^2  
head(OTT\_Square)

## [1] 6.25 6.76 6.76 10.24 11.56 12.25

hist(OTT$IMDB.Score, main= "IMDB score Rating (plot of quantitative varaible)", xlab="IMDB score", ylab="Runtime", col="violet")



plot(OTT$IMDB.Score,OTT$Runtime, main= "scatterplot of IMDB score and runtime",xlab="IMDB score",ylab= "runtime", pch=16, col="red")

