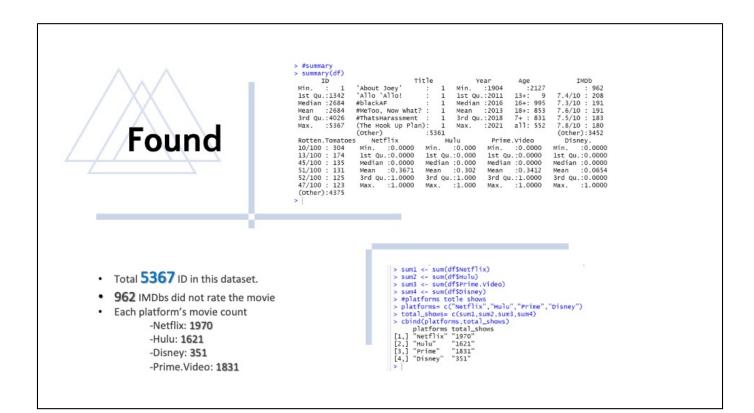


#string str(df)

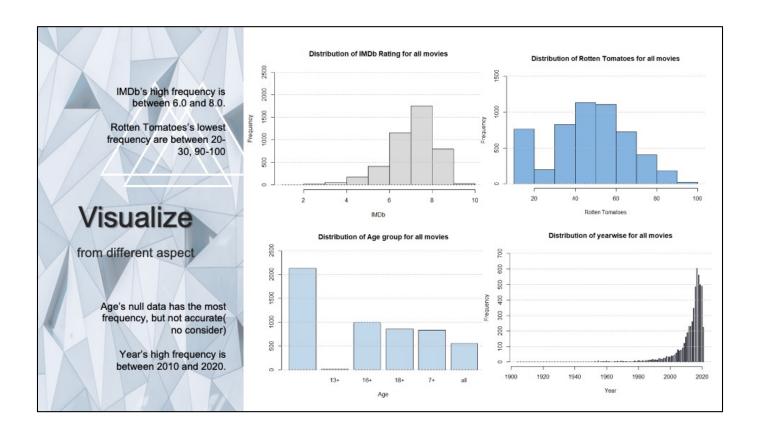


#summary summary(df)

#sum

```
sum1 <- sum(df$Netflix)
sum2 <- sum(df$Hulu)
sum3 <- sum(df$Prime.Video)
sum4 <- sum(df$Disney)

#platforms totle shows
platforms= c("Netflix","Hulu","Prime","Disney")
total_shows= c(sum1,sum2,sum3,sum4)
cbind(platforms,total_shows)</pre>
```



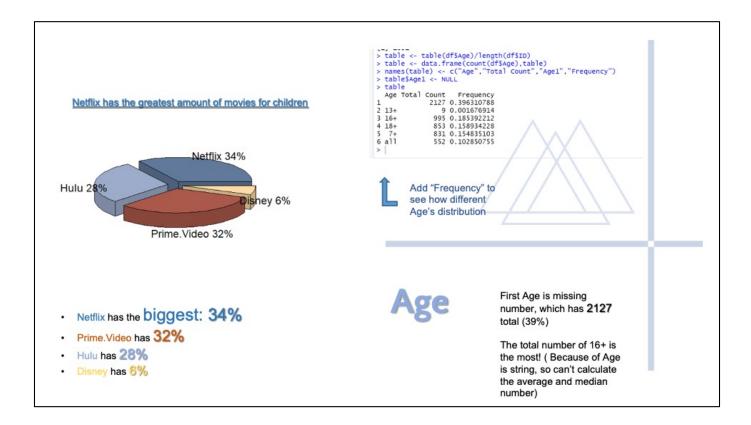
```
hist(df$IMDb,col= "#D9D9D9",
   main= "Distribution of IMDb Rating for all movies",xlab= "IMDb",breaks= 7,
   ylim = c(0,2500)
grid(nx= NA, ny= NULL, Ity= 2, col= "gray", lwd= 1)
#Histgram of Rotten Tomatoes
hist(df$Rotten.Tomatoes,col= "#85B4E0",
   main= "Distribution of Rotten Tomatoes for all movies", xlab= "Rotten Tomatoes",
   breaks = 7, ylim = c(0,1500))
grid(nx= NA, ny= NULL, Ity= 2, col= "gray", Iwd= 1)
#Plot of Age
plot(df$Age,col= "#C1D8EA",
   main= "Distribution of Age group for all movies",xlab= "Age",breaks= 7,
   ylim = c(0,2500)
grid(nx= NA, ny= NULL, Ity= 2, col= "gray", Iwd= 1)
#Histgram of Year
hist(df$Year,col= "#727a93",
   main= "Distribution of yearwise for all movies",xlab= "Year",breaks= 200,
   ylim = c(0,5000)
grid(nx= NA, ny= NULL, Ity= 2, col= "gray", lwd= 1)
```

#Histgram of IMDb



```
#count Netflix over 90 on Rotten. Tomatoes
netflix count <- nrow(df[df$Rotten.Tomatoes>90 & df$Netflix== 1,])
netflix_count
#count Hulu over 90 on Rotten. Tomatoes
Hulu count <- nrow(df[df$Rotten.Tomatoes>90 & df$Hulu== 1,])
Hulu count
#count Disney over 90 on Rotten. Tomatoes
disney_count <- nrow(df[df$Rotten.Tomatoes>90 & df$Disney.== 1,])
disney count
#count prime.video over 90 on Rotten.Tomatoes
prime count <- nrow(df[df$Rotten.Tomatoes>90 & df$Prime.Video== 1,])
prime_count
#Barplot of over 90 on Rotten. Tomatoes
names<-c("Disney","Hulu","Netflix","Prime.Video")
counts<-c(disney_count, Hulu count, netflix count, prime count)
p <-barplot(counts,names.arg= names,las= 1,cex.names= 0.8, ylim= c(0,30),
       main= "Counts by Platform",col= heat.colors(5),border= "white",
       ylab= "Count over 90 on Rotten. Tomatoes",
       xlab= "Streaming Service")
```

cum_sums<-cumsum(counts)
lines(p, cum_sums, type= 'b', pch= 6, col= 'black')</pre>



```
#3D PIE CHART: the Service has the highest number of the movie slices <- c(sum1,sum2,sum3,sum4)

lbls <- c("Netflix", "Hulu", "Prime.Video", "Disney")

pct <- round(slices/sum(slices)*100)

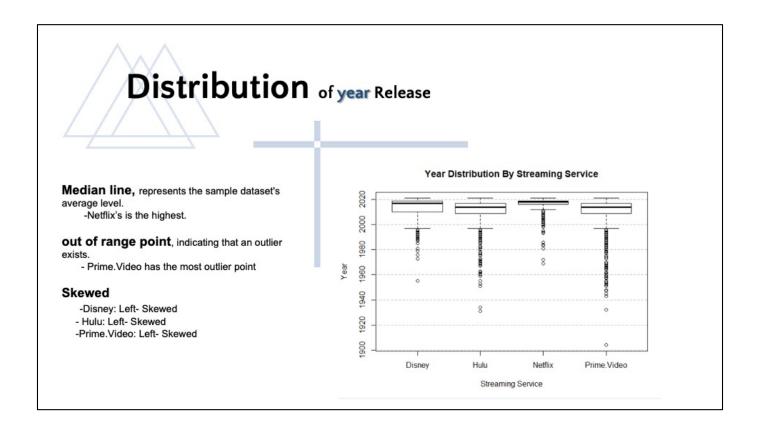
lbls <- paste(lbls, pct)

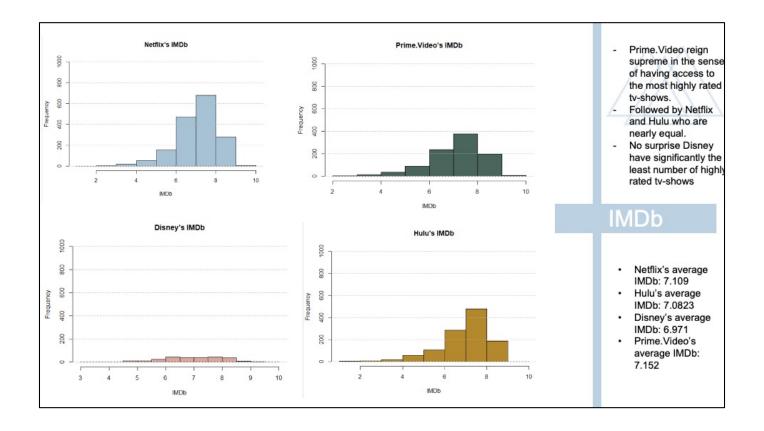
lbls <- paste(lbls, "%",sep= "")

colors <- c("#61799b", "#9daccb", "#ab594b", "#ffdba7")

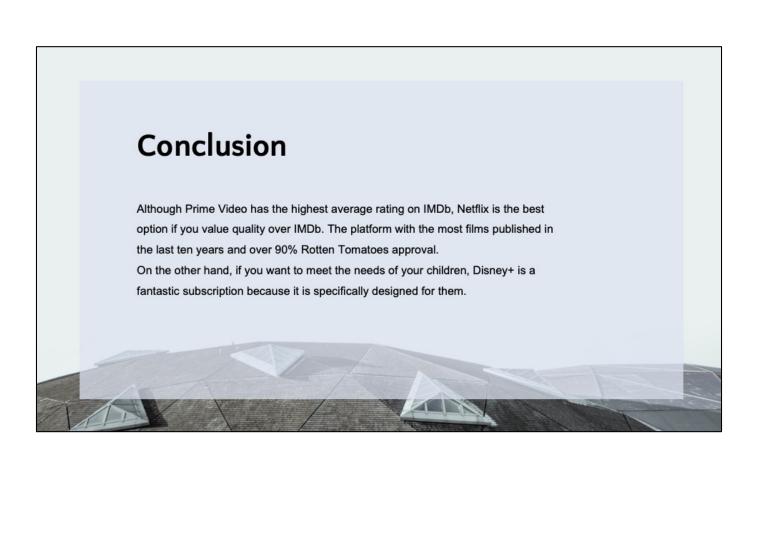
pie3D(slices,labels= lbls,explode= 0.1,col= colors,

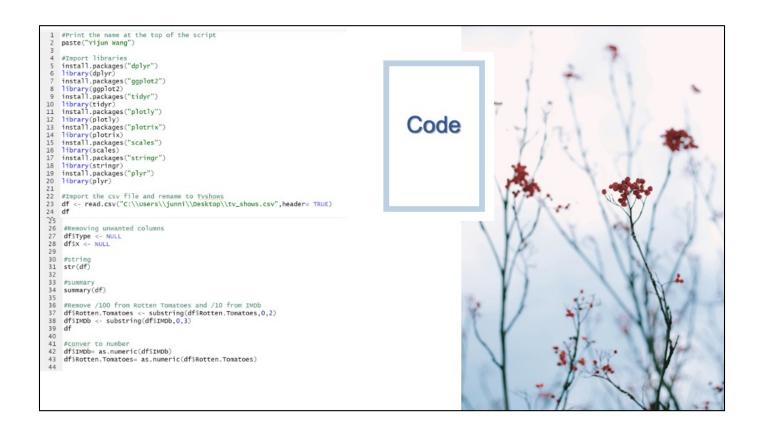
main= "Pie Chart of Most Numbers of the Movie")
```

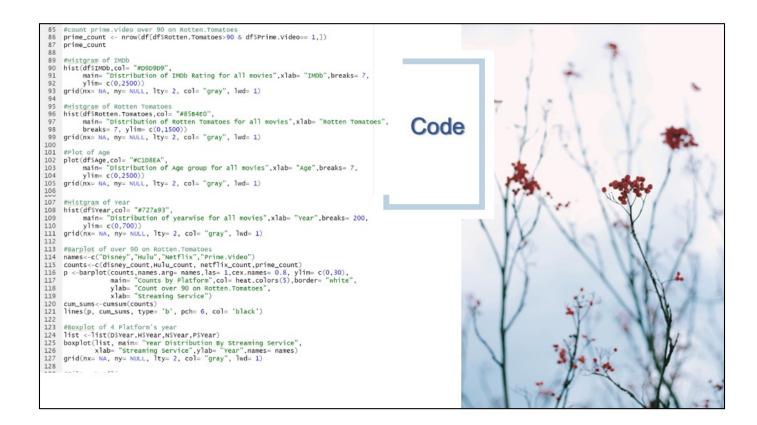


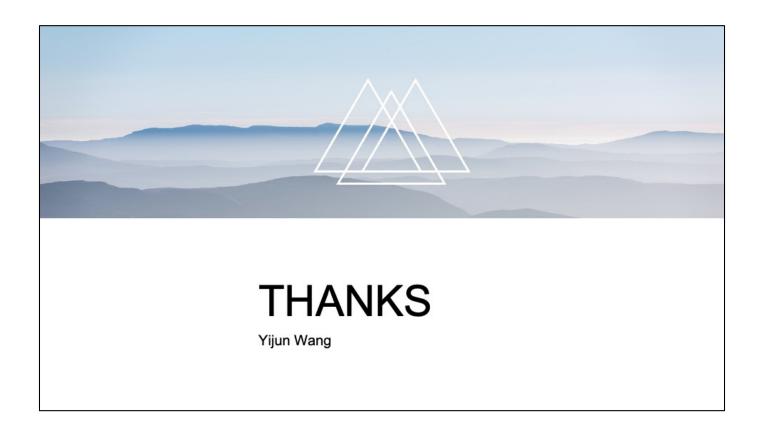


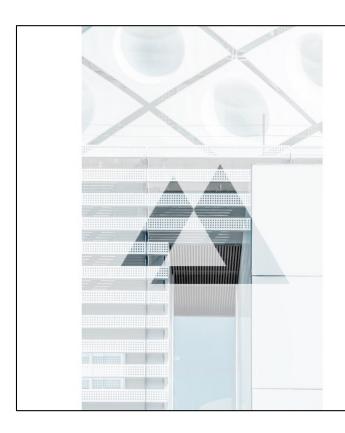
```
#Distribution of Netflix
hist(N$IMDb,col= "#a7c2d5",
   main= "Netflix's IMDb",
   xlab= "IMDb", ylim= c(0,1000),breaks= 10)
grid(nx= NA, ny= NULL, Ity= 2, col= "gray", lwd= 1)
#Distribution of prime. Video
hist(P$IMDb,col= "#49655c",
   main= "Prime.Video's IMDb",
   xlab= "IMDb", ylim= c(0,1000),breaks= 10)
grid(nx= NA, ny= NULL, Ity= 2, col= "gray", lwd= 1)
#Distribution of Disney
hist(D$IMDb,col= "#dba89f",
   main= "Disney's IMDb",
   xlab= "IMDb", ylim= c(0,1000),breaks= 10)
grid(nx= NA, ny= NULL, Ity= 2, col= "gray", lwd= 1)
#Distribution of Hulu
hist(H$IMDb,col= "#b4892e",
   main= "Hulu's IMDb",
   xlab= "IMDb", ylim= c(0,1000),breaks= 10)
grid(nx= NA, ny= NULL, lty= 2, col= "gray", lwd= 1)
```











Bibliography

Schork, J. (2020, 1120). Change Colors of Axis Labels & Values of Base R Plot (2 Examples). Retrieved from statisticsglobe: https://statisticsglobe.com/r-change-colors-axis-labels-values-of-plot

Zach. (2021, 02 04). Format Numbers as Percentages in R (With Examples). Retrieved from statology: https://www.statology.org/percentage-in-r/

ZACH. (2021, 04 21). How to Create Relative Frequency Tables in R. Retrieved from statology: https://www.statology.org/relative-frequency-table-in-r/