

```
31 #Create a boxplot that highlights the outliers
32 ggplot(df, aes(x=Profitability, y=Worldwide.Gross)) +geom_boxplot(outlier.colour="t
33 df <- df[rowSums(is.na(df)) ]
34
35 #Remove outliers in 'Profitability'
36 Q1 <- quantile(df$Profitability, .25)
37 Q3 <- quantile(df$Profitability, .75)
38 IQR <- IQR(df$Profitability)
39 no_outliers <- subset(df, df$Profitability> (Q1 - 1.5*IQR) & df$Profitability< (Q3
40 dim(no_outliers)
41
42 # Remove outliers in 'Worldwide.Gross'
43 Q1 <- quantile(no_outliers$Worldwide.Gross, .25)
44 Q3 <- quantile(no_outliers$Worldwide.Gross, .75)
45 IQR <- IQR(no_outliers$Worldwide.Gross)
46
47
48
49
```

46:1 (Top Level) ↕ R Script ↕

```
> #remove outliers in Profitability
> Q1 <- quantile(df$Profitability, .25)
> Q3 <- quantile(df$Profitability, .75)
> IQR <- IQR(df$Profitability)
Connected to your session in progress, last started 2022-Dec-08 12:21:41 UTC (4 minutes ago)
> no_outliers <- subset(df, df$Profitability> (Q1 - 1.5*IQR) & df$Profitability< (Q3 +
1.5*IQR))
> dim(no_outliers)
[1] 65 8
> # Remove outliers in 'Worldwide.Gross'
> Q1 <- quantile(no_outliers$Worldwide.Gross, .25)
> Q3 <- quantile(no_outliers$Worldwide.Gross, .75)
> IQR <- IQR(no_outliers$Worldwide.Gross)
```

df 70 obs. of 8 variables

df_clean 70 obs. of 8 variables

no_outliers 65 obs. of 8 variables

Values

IQR	146.25
Q1	Named num 32.6
Q3	Named num 179

