```
setwd("")
#install necessary libraries
#install.packages('dplyr')
#install.packages('fpp3')
#install.packages("igraph")
#install.packages('stringr')
library(dplyr)
library(fpp3)
library(igraph)
library(stringr)
library(ggplot2)
#Bring in the dataset
animation <- read.csv('Animation Movies.csv')
str(animation)
head(animation)
#Lets break down the genres, we dont want to have something that is just animation as the
main genre
anims<- animation %>% separate(genres, into= c('genre1', 'genre2'), sep = ',')
anims<- filter(anims, genre1 != 'Animation')</pre>
str(anims)
colSums(is.na(anims))
#No NA
#Split the Production companies
#Since most of this will be animations, lets make sure to take out
anims <- anims %>% separate(production companies, into =
c('Main_production','co_production'),sep = ',')
str(anims)
anims<-anims[, -c(5,10,12,13,15,16,18,19)]
str(anims)
colSums(is.na(anims))
ggplot(anims, aes(x = genrel, fill = genrel)) +
  geom bar() +
  scale fill manual(values = rainbow(length(unique(anims$genre1)))) +
  labs(title = "Bar Graph of Category Counts",
       x = "Category",
       y = "Count") +
  theme (axis.text.x = element text(angle = 45, hjust = 1))
#create graphs based on which genres show up the most, as the main and the sub-genre
#No NA values found!
anims$vote average
rating <- anims[,c(2,3)]
rating
cind <- rating %>%
  filter(str detect(title, "cinderella"))
str(cind)
```