

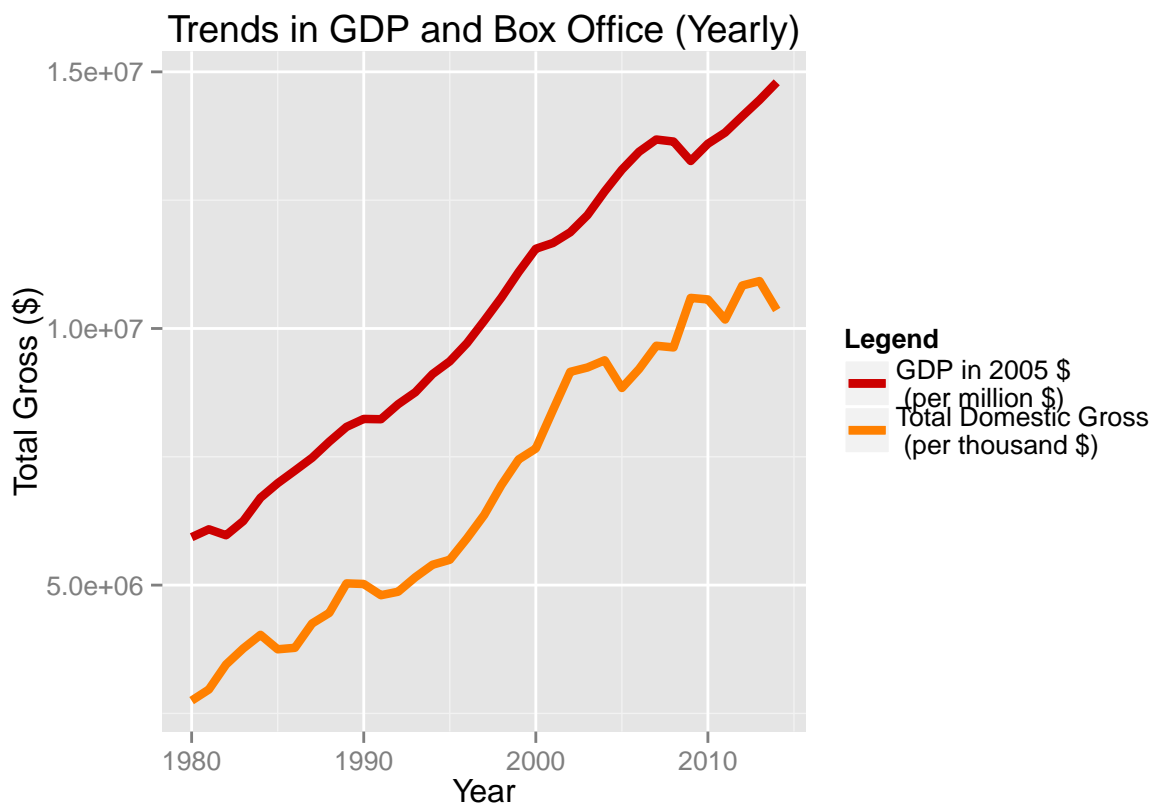
Stat 133 Final Project

Sol Ah Yoo & Sharon Hong

December 9, 2015

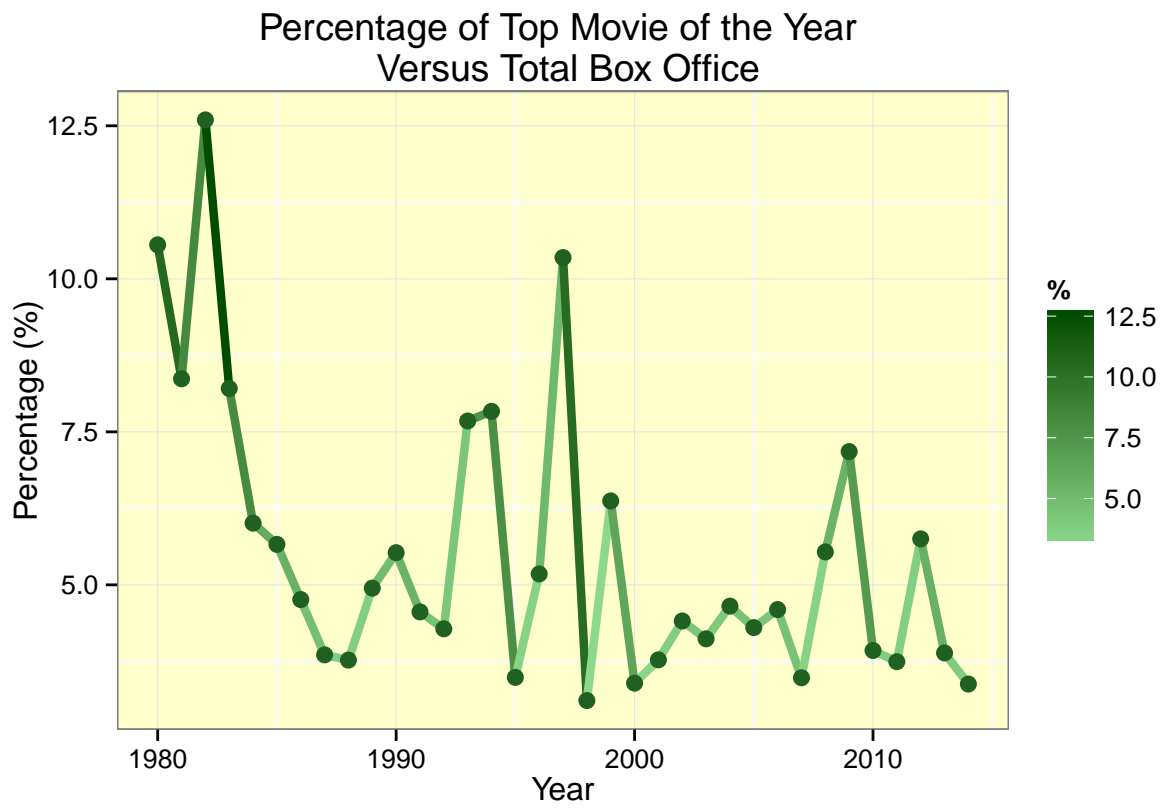
Libraries needed:

```
library(plyr)
library(ggplot2)
```

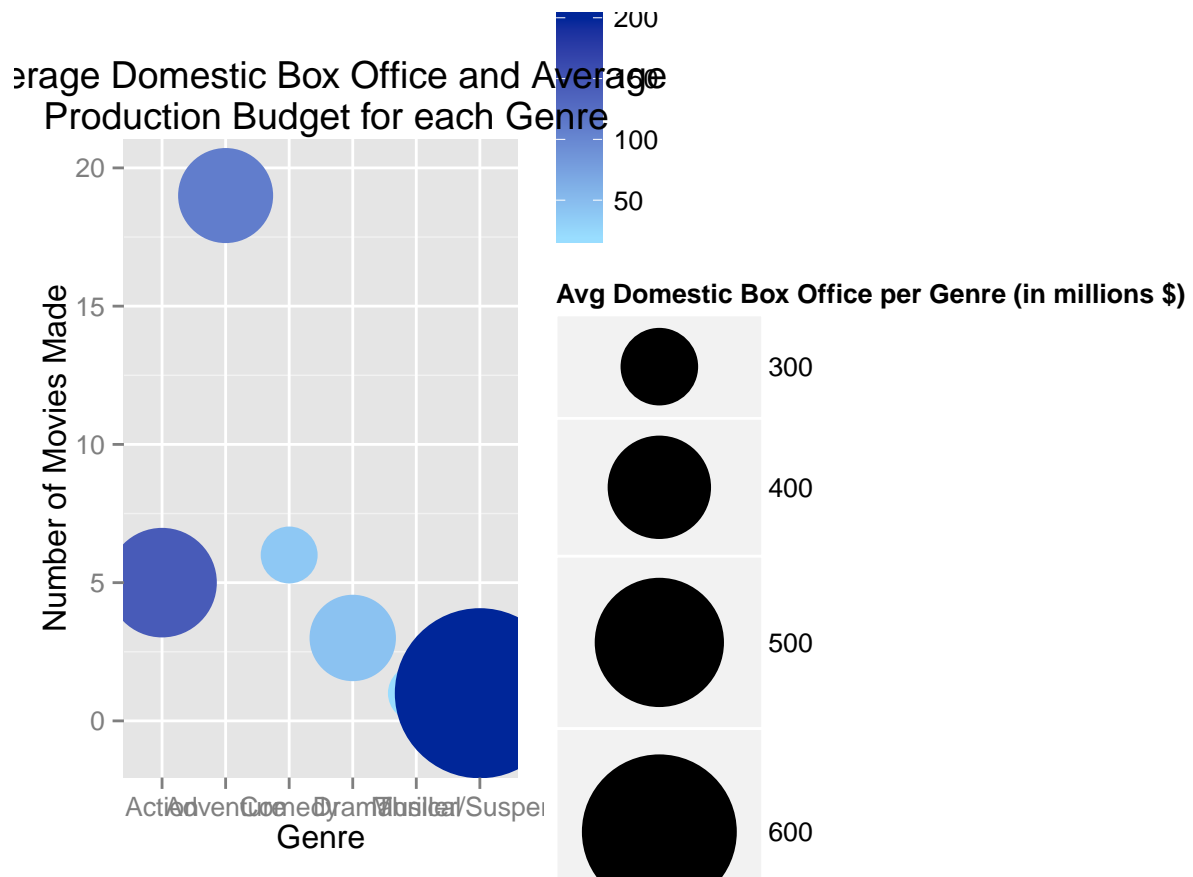


```
box_office$Top.Movie <- top_movie$Total.Domestic.Box.Office
percent <- (box_office$Top.Movie / box_office$Total.Gross) * 100

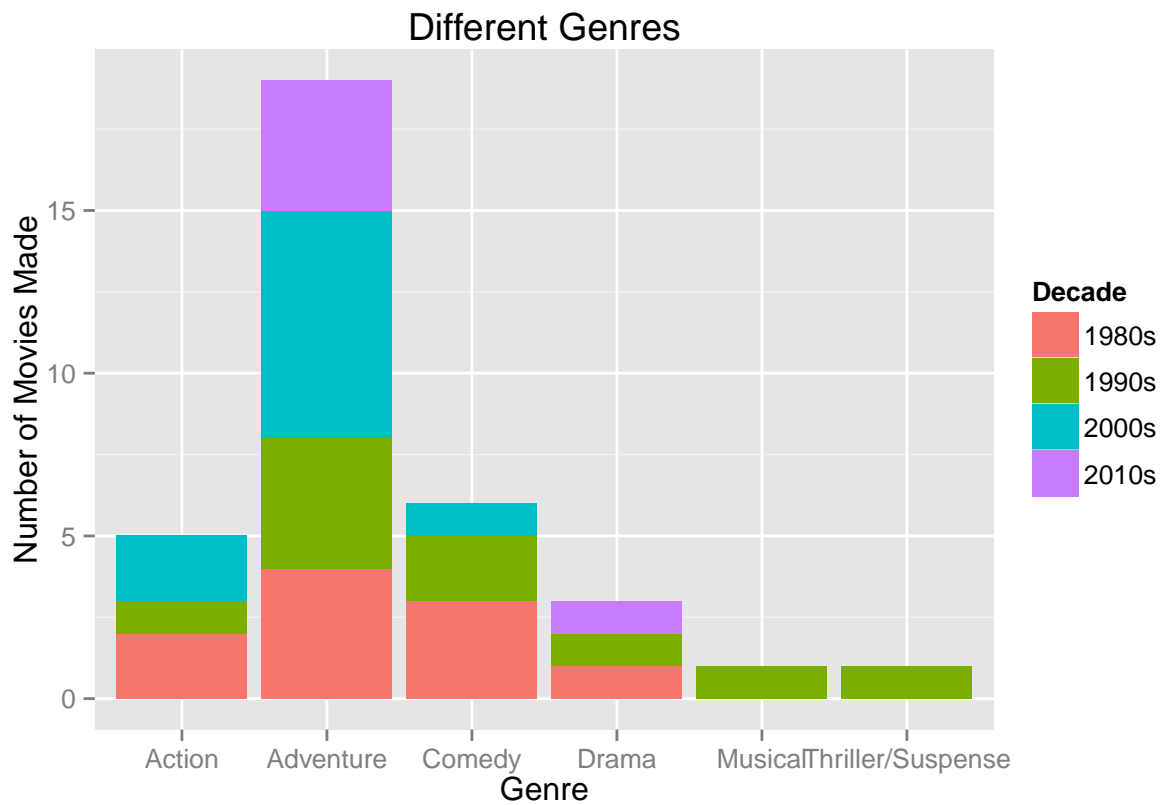
ggplot(box_office, aes(x = Year, y = percent)) +
  geom_line(aes(color = percent), size = 1.5) +
  geom_point(color = '#206020', size = 3) +
  scale_color_gradient(low = '#8CD98C', high = '#004D00') +
  labs(title = 'Percentage of Top Movie of the Year \n Versus Total Box Office',
       x = 'Year',
       y = 'Percentage (%)',
       color = '%') +
  theme_bw() + theme(panel.background = element_rect(fill = '#ffffcc'))
```



Find the average total domestic box office by genre. We want to



How many different genres are there and what decade did they come out in? What are the most popular genres?



With the advancement of technology, directors are able to make realistic looking movies that require a lot of computer-generated imagery, such as adventure (ie. superhero)....?

Adventure movies tend to be more popular with the general public.