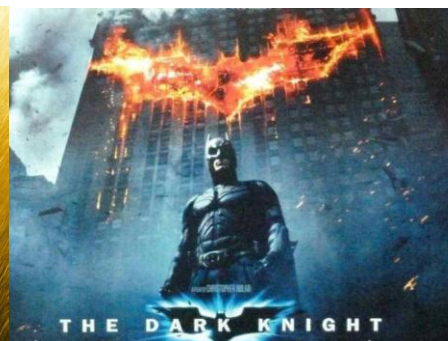
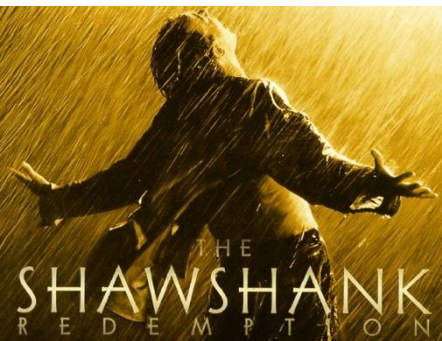


# Movie Database

## General Assembly Final Project

Kate Benjamin



# Goals for Final Project

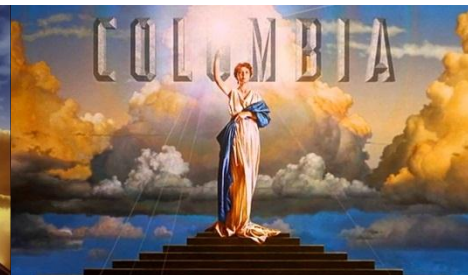
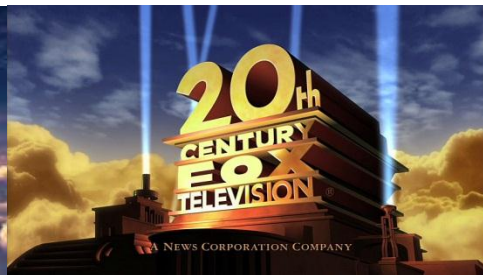
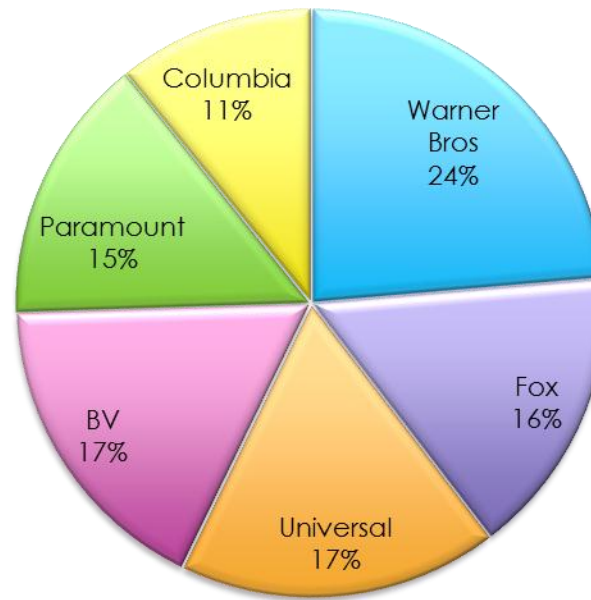
- I am **addressing** a data-related project in my field of work.
- My **data** is from Box Office Mojo (<http://www.boxofficemojo.com/>)
- My datasets **include** “Average Gross Per Theatre from 1980-2014” “Average Ticket Price from 1980-2014,” “Movie Release by Season from 1980-2014,” “Studio Makeup by Year from 1980-2014,” and my largest and most valuable one, “Yearly Movie Gross from 1980-2014.”
- My **dataset** “Yearly Movie Gross from 1980-2014” includes 13,113 movie title releases from 1980-2014. I ranked them by year and total gross. Included in the data is studio, total gross, opening week gross, opening day and gross per theatre. I created a new feature “2014 dollars.” This is the amount the movie would have made if it were released in 2014.
- Using linear regression, I will **predict** the total gross of movies from 2000 to 2014 using opening week performance and the number of theatres it played in. I will then add in the studio name and year as new features to see if my prediction score becomes more accurate.
- This summer, my **team** and I plan to update this dataset to include movies from 2015.

# American Sniper was the highest grossing movie of 2014.

Rank	Studio	Movie Title	Total Gross	Opening	Theatres	Gross Per Theater
1	WB	American Sniper	\$337,209,000	\$633,456	3,885	\$86,798
2	LGF	The Hunger Games: Mockingjay - Part 1	\$336,962,000	\$121,897,634	4,151	\$81,176
3	BV	Guardians of the Galaxy	\$333,176,600	\$94,320,883	4,088	\$81,501
4	BV	Captain America: The Winter Soldier	\$259,766,572	\$95,023,721	3,938	\$65,964
5	WB	The LEGO Movie	\$257,760,692	\$69,050,279	3,890	\$66,262
6	WB	The Hobbit: The Battle of the Five Armies	\$251,678,000	\$54,724,334	3,875	\$64,949
7	Par.	Transformers: Age of Extinction	\$245,439,076	\$100,038,390	4,233	\$57,982
8	BV	Maleficent	\$241,410,378	\$69,431,298	3,948	\$61,148
9	Fox	X-Men: Days of Future Past	\$233,921,534	\$90,823,660	4,001	\$58,466
10	BV	Big Hero 6	\$218,056,000	\$56,215,889	3,773	\$57,794
11	Fox	Dawn of the Planet of the Apes	\$208,545,589	\$72,611,427	3,969	\$52,544
12	Sony	The Amazing Spider-Man 2	\$202,853,933	\$91,608,337	4,324	\$46,913
13	WB	Godzilla (2014)	\$200,676,069	\$93,188,384	3,952	\$50,778
14	Sony	22 Jump Street	\$191,719,337	\$57,071,445	3,426	\$55,960
15	Par.	Teenage Mutant Ninja Turtles (2014)	\$191,204,754	\$65,575,105	3,980	\$48,041
16	Par.	Interstellar	\$186,666,000	\$47,510,360	3,561	\$52,420
17	Fox	How to Train Your Dragon 2	\$177,002,924	\$49,451,322	4,268	\$41,472
18	Fox	Gone Girl	\$167,628,577	\$37,513,109	3,284	\$51,044
19	LG/S	Divergent	\$150,947,895	\$54,607,747	3,936	\$38,351
20	Uni.	Neighbors	\$150,157,400	\$49,033,915	3,311	\$45,351

Since 1980, Warner Brothers has produced roughly  $\frac{1}{4}$  of all new movies, in comparison to other top studios.

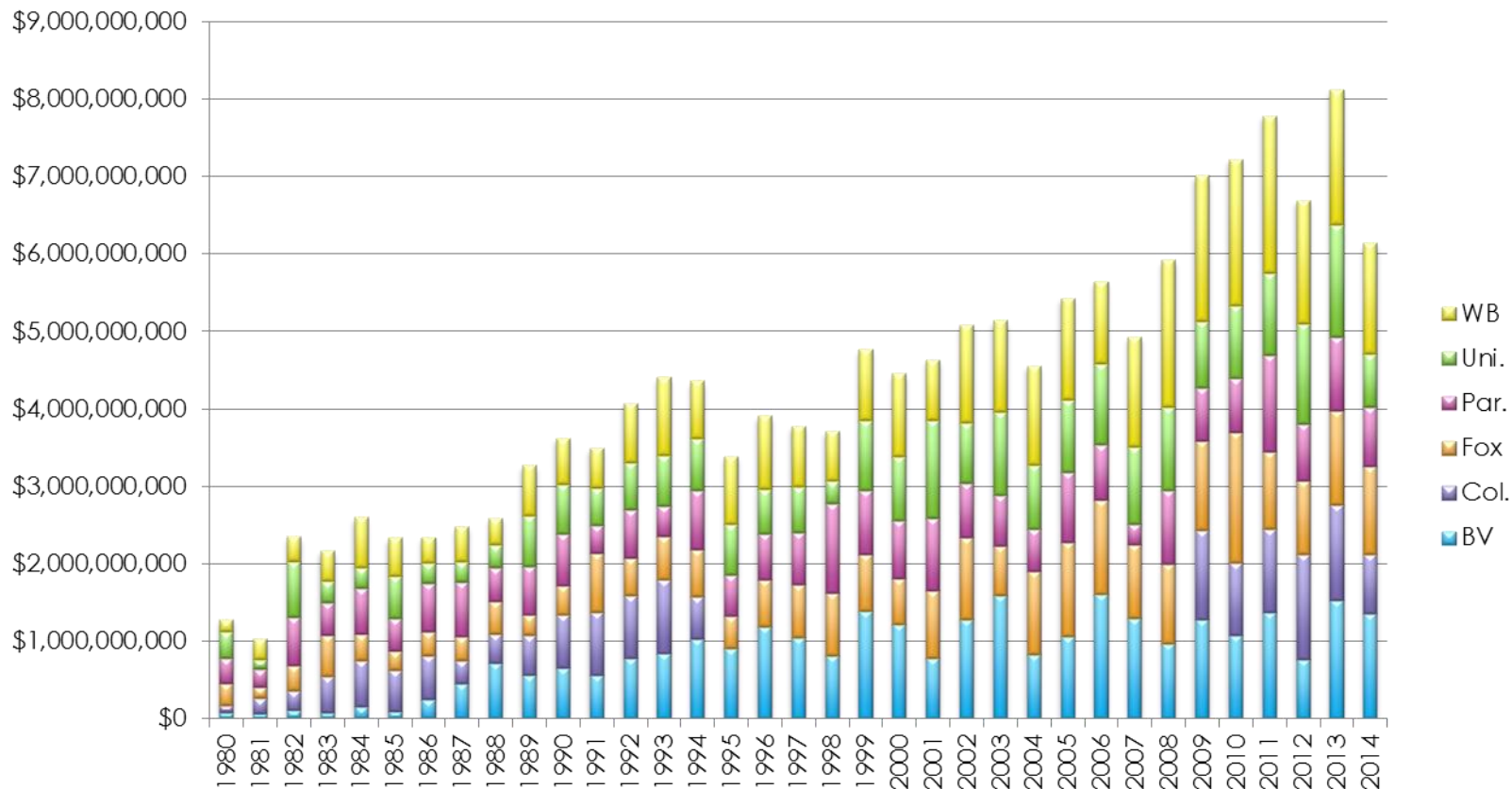
Top Studios by Presence Since 1980



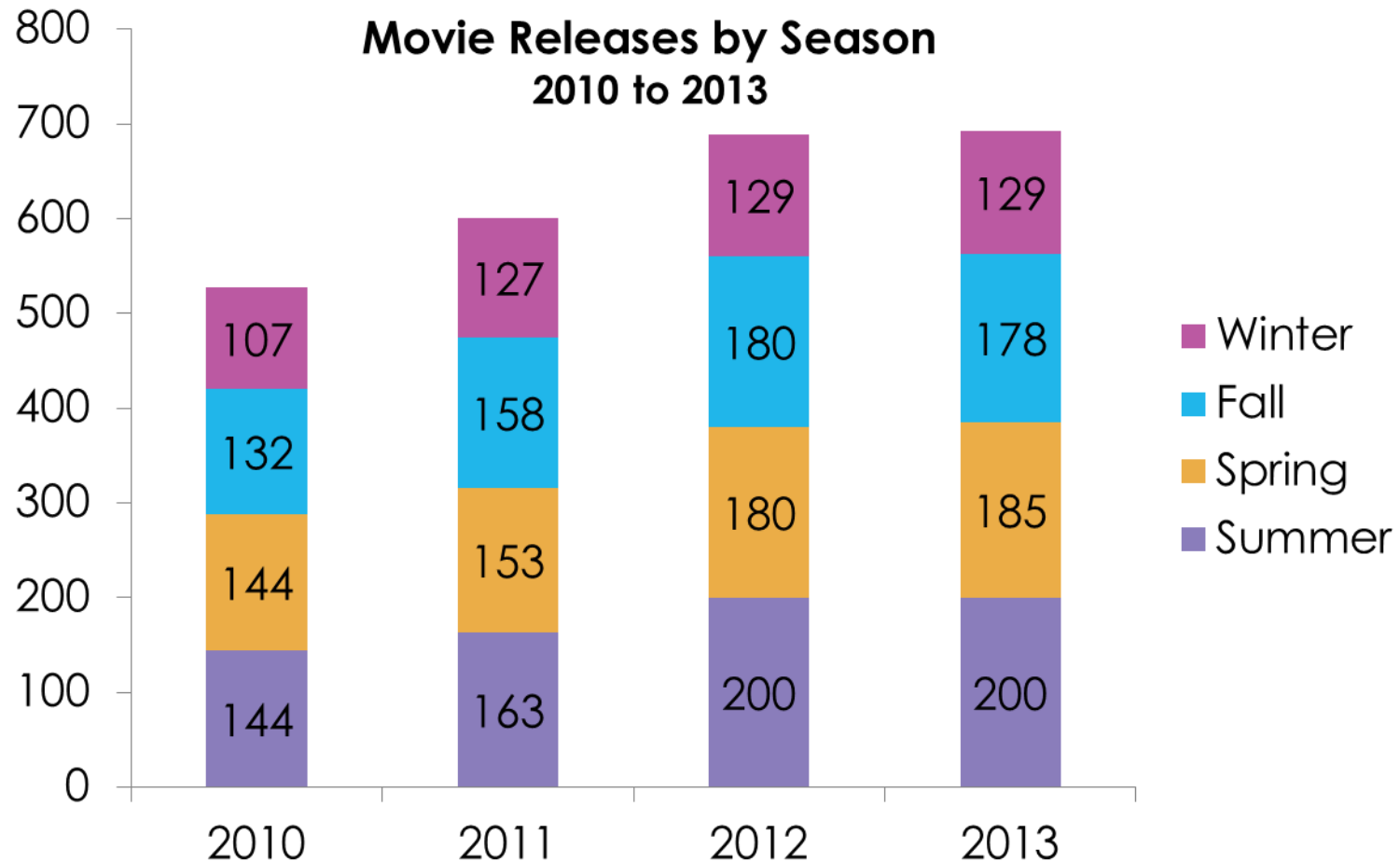


**2013 was the highest grossing year for new movies, while 2012 and 2014 were unusually low.**

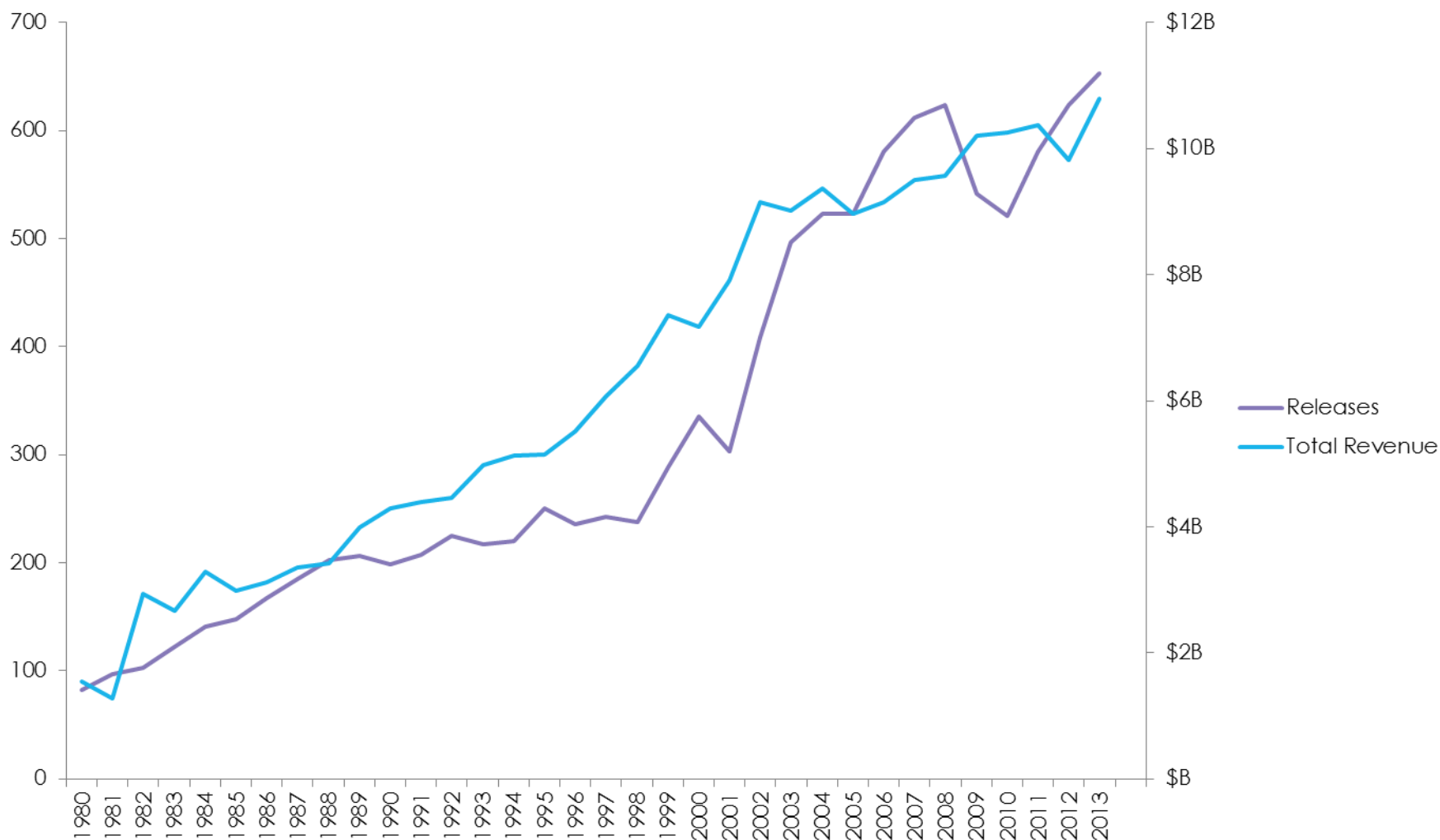
## Total Gross



**Summer months tend to be the most popular time for new movie releases, while the winter sees a significant drop.**



**While the number of new movies released from 2008 to 2010 dropped significantly, total revenue was not impacted.**



The average movie ticket price went up **+203%** from 1980 to 2014.

