

# ANALYSIS OF PROFITABLE MOVIES 2010 - 2018



**Brent Smart**  
**Flatiron**

# DATA

- Box Office Mojo
- IMDB
- The-numbers.com



**Box Office Mojo**

Search Site

**SHOWDOWNS**

'Gone Girl' Vs. 'Shutter Island'

10-Day Total: \$78,281,000

10-Day Total: \$75,541,271

> VIEW FULL SHOWDOWN

'Annabelle' Vs. 'Insidious Chapter 2'

**WEEKEND ESTIMATES**

1. Gone Girl	\$2
2. Dracula Untold	\$2
3. Alexander	\$1

> VIEW FULL WEEKEND

**TOP 2014 MOVIES**

1. Guardians of the Galaxy	\$32
2. Captain America 2	\$25
3. The LEGO Movie	\$25

> VIEW FULL YEARL

**LATEST UPDATES**

WEEKEND: Estimates (38 trackers)

DAILY: Saturday Estimates

DAILY: Friday Estimates

**Box Office**

Daily

Weekend

**THE NUMBERS®**

Where Data and the Movie Business Meet

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January 18, 2022 ... Ghostbusters: Afterlife will be released on November 11, 2021 ... No Time to Die will be released on November 11, 2021

**DEG Watched at Home Top 20 Chart for Week Ending January 16, 2021**

	Title	Distributor
1 (1)	<b>Tenet</b>	Warner Home Video
2 (2)	<b>Honest Thief</b>	Universal Home Entertainment
3 (3)	<b>The War with Grandpa</b>	101 Distribution

[See the full week chart](#)

**Quick Links**

DEG Watched at Home Top 20

Netflix Daily Top 10

Weekly DVD+Blu-ray Chart

News

Release Schedule

Daily Box Office

Weekend Box Office

Weekly Box Office

Special Box Office

# JOINING DATA (ONLY 2/4)

#	Column	Non-Null Count
0	tconst	146144 non-null
1	primary_title	146144 non-null
2	start_year	146144 non-null
3	runtime_minute	114405 non-null
4	genres	140736 non-null

#	Column	Non-Null Count
0	release_date	5782 non-null
1	movie	5782 non-null
2	production_budget	5782 non-null
3	domestic_gross	5782 non-null
4	worldwide_gross	5782 non-null

Considerations when joining:

- Columns with different names (but same data)
  - Investigate databases.
- Missing data - Was it relevant to questions/analysis?
- Punctuation & Human error - Investigate and run programs to clean data.

# DATA PREVIEW (TOP)

	movie	studio	runtime_minutes	production_budget	domestic_gross_y	foreign_gross_millions	worldwide_gross	total_profits_millions	numvotes	averagerating
0	avengers infinity war	bv	149.0	300.0	678.82	1369.31	2048.13	1748.13	670926	8.5
1	jurassic world	uni	124.0	215.0	652.27	996.58	1648.85	1433.85	539338	7.0
2	furious 7	uni	137.0	190.0	353.01	1165.71	1518.72	1328.72	335074	7.2
3	black panther	bv	134.0	200.0	700.06	648.20	1348.26	1148.26	516148	7.3
4	jurassic world fallen kingdom	uni	128.0	170.0	417.72	888.05	1305.77	1135.77	219125	6.2
5	frozen	bv	102.0	150.0	400.74	871.73	1272.47	1122.47	516998	7.5
6	minions	uni	91.0	74.0	336.05	824.29	1160.34	1086.34	193917	6.4
7	avengers age of ultron	bv	141.0	330.6	459.01	944.00	1403.01	1072.41	665594	7.3

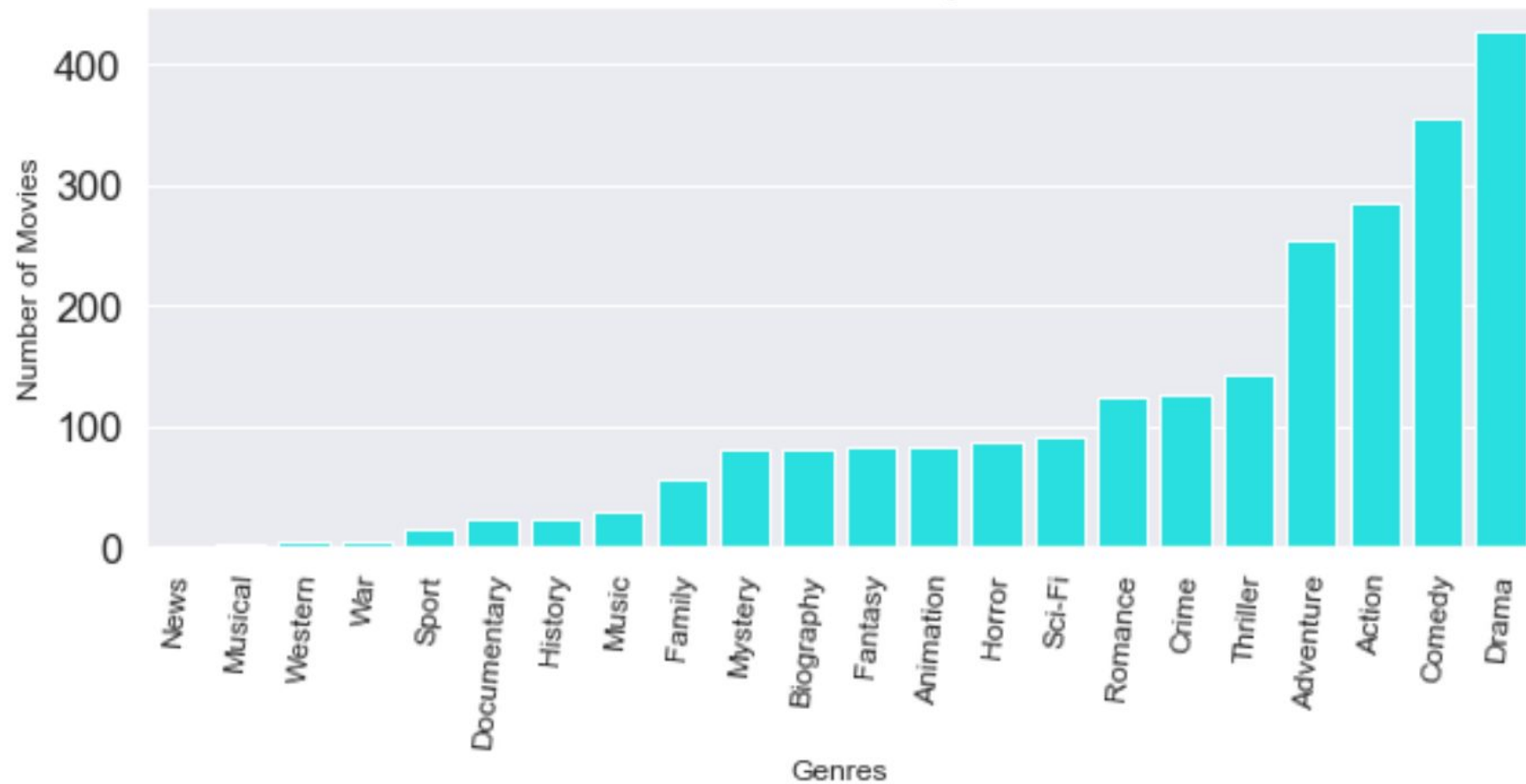
# DATA PREVIEW (BOTTOM)

movie	studio	runtime_minutes	production_budget	domestic_gross_y	foreign_gross_millions	worldwide_gross	total_profits_millions	numvotes	average
palo alto	trib	100.0	1.0	0.77	0.39	1.16	0.16	25402	
locke	a24	85.0	2.0	1.37	0.72	2.09	0.09	120703	
circumstance	ratt	107.0	0.9	0.45	0.51	0.96	0.06	7055	
hugo	par	80.0	180.0	73.86	106.19	180.05	0.05	11	
stoker	foxs	99.0	12.0	1.70	10.33	12.03	0.03	97393	

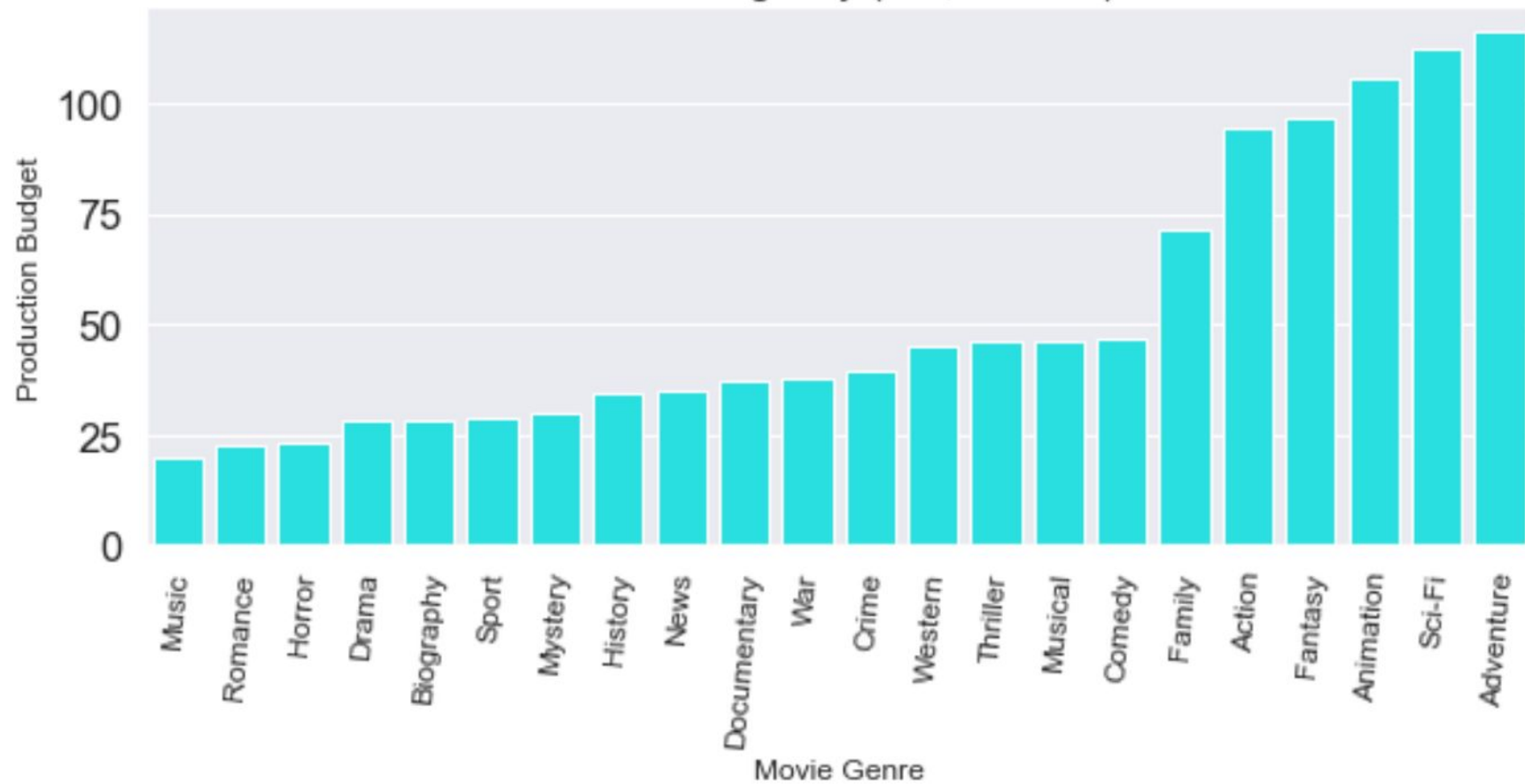
# DATA ANALYSIS (QUESTIONS)

★ Which movie genres are most common and what are typical budgets?

Number of Movies by Genre



Movie Budget by (US\$ millions)

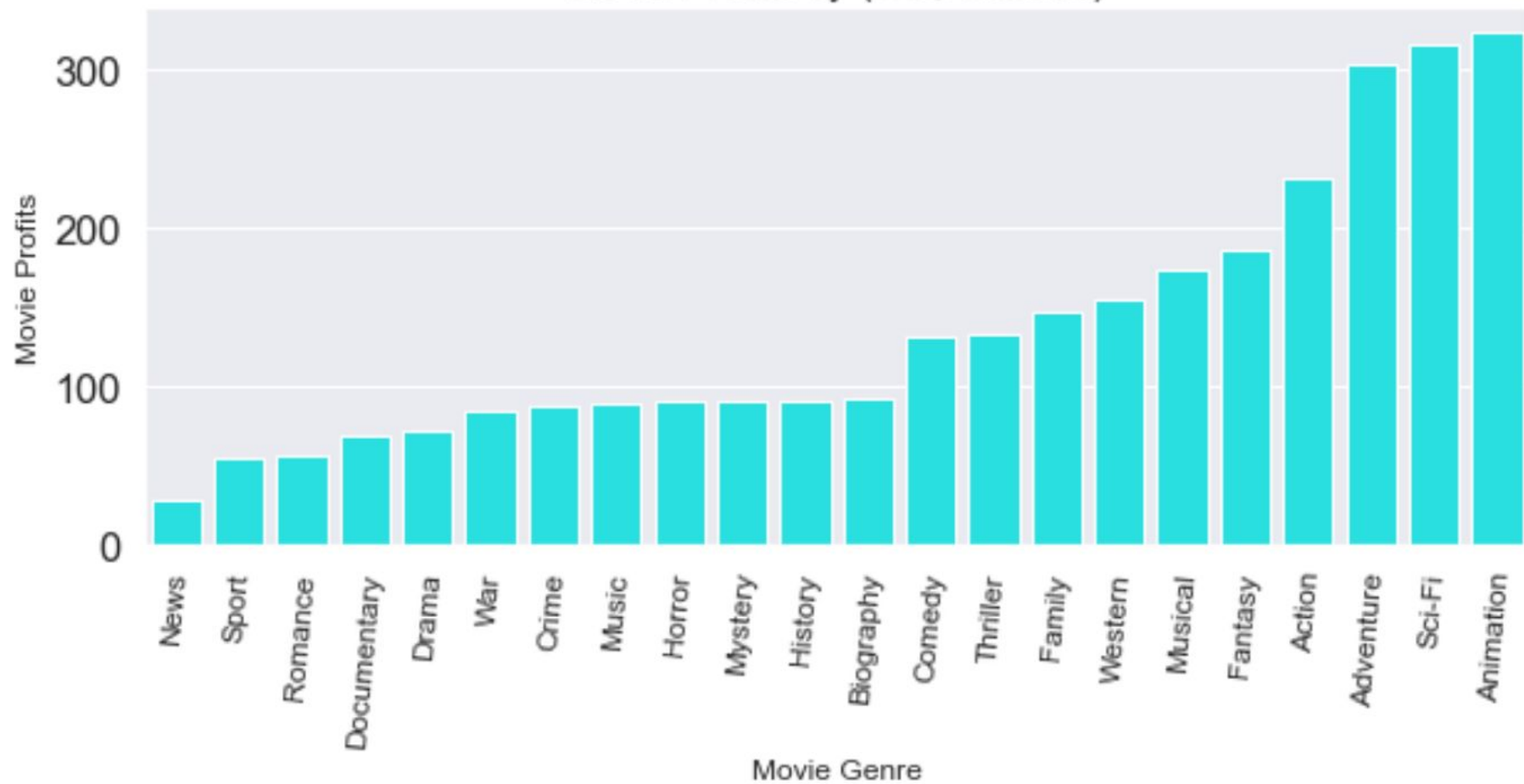




# DATA ANALYSIS (QUESTIONS)

★ Which movie genres generated the most profit?

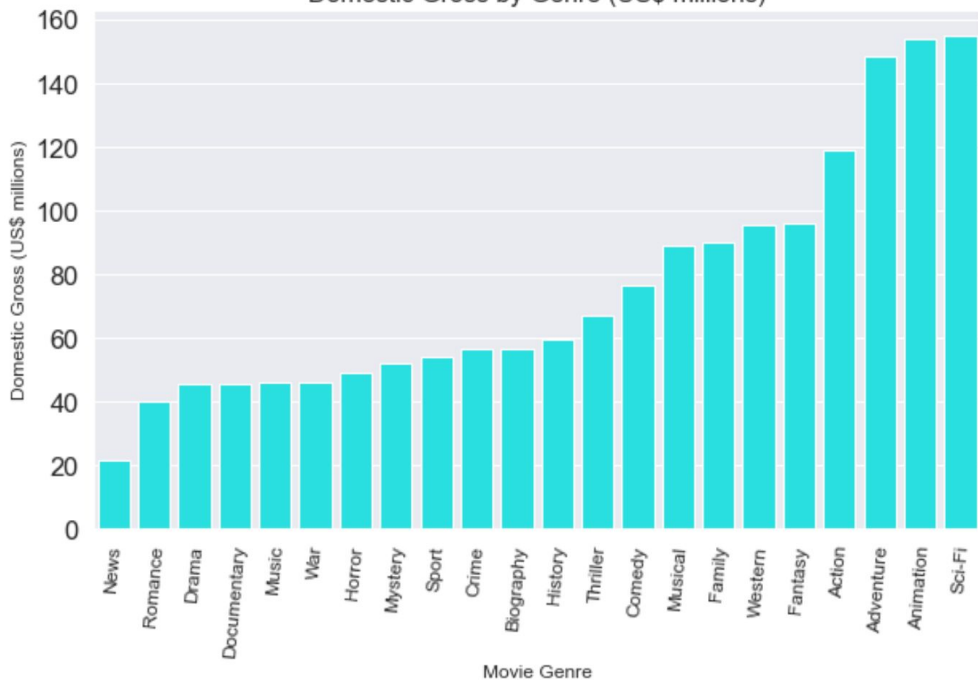
Movie Profits by (US\$ millions)



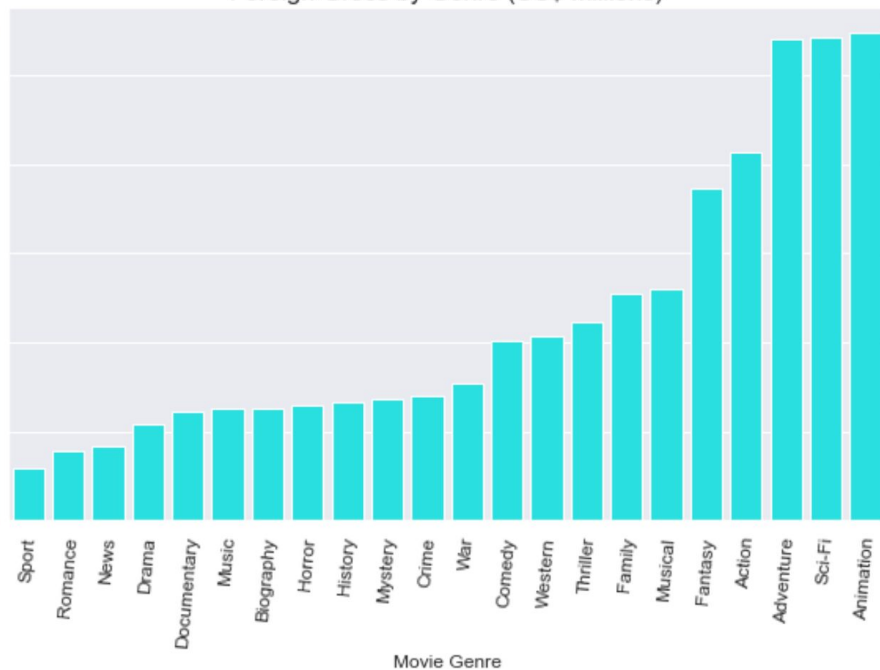
# DATA ANALYSIS (QUESTIONS)

★ What percentage of revenue was generated in foreign and domestic markets?

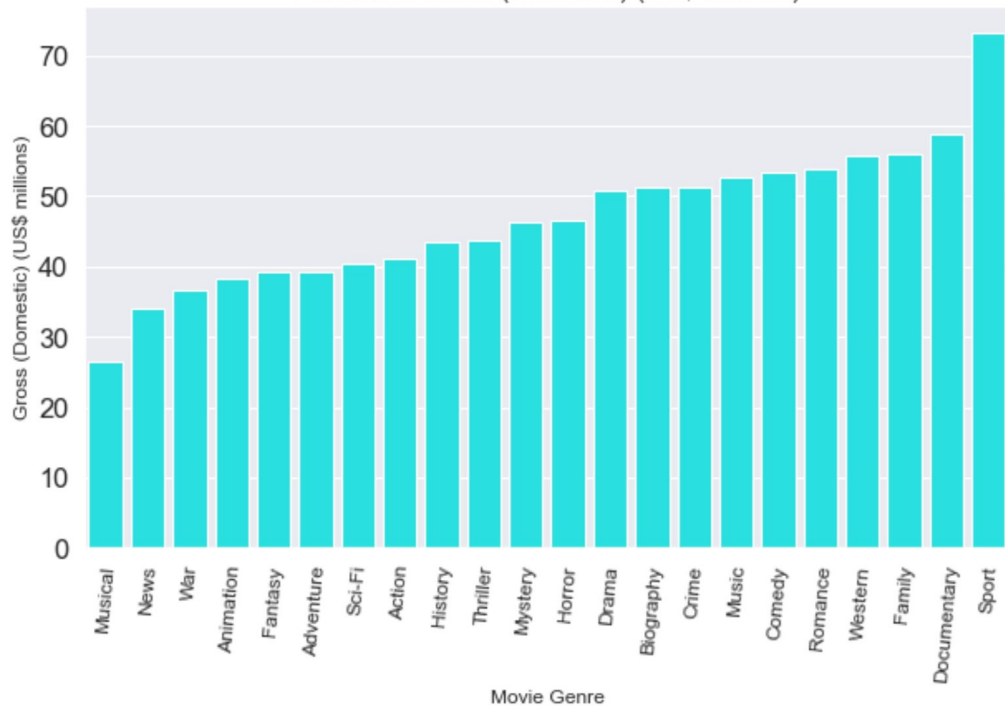
Domestic Gross by Genre (US\$ millions)



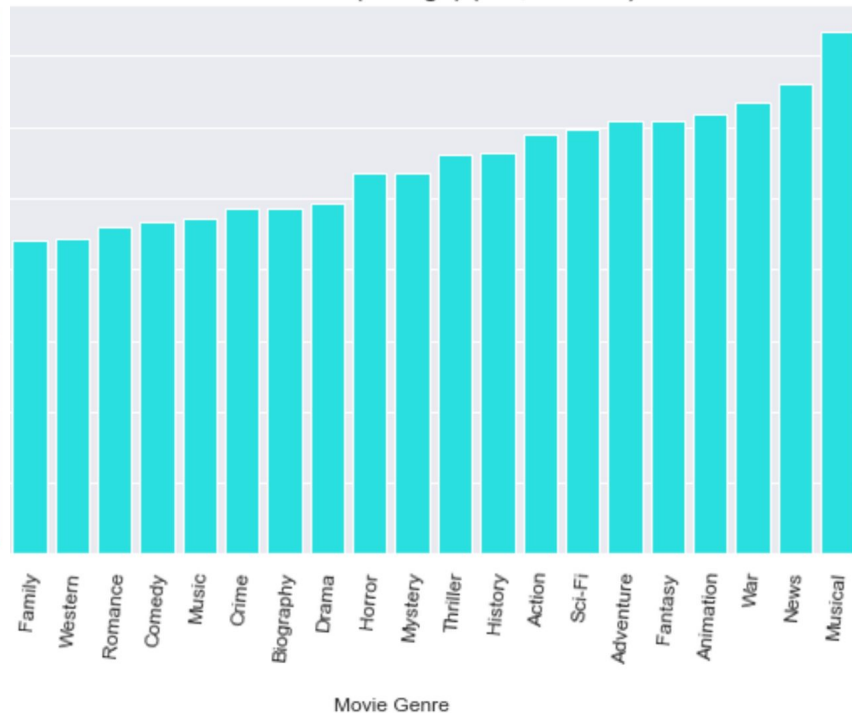
Foreign Gross by Genre (US\$ millions)



Percent of Gross (Domestic) (US\$ millions)



Percent of Gross (Foreign) (US\$ millions)



# DATA ANALYSIS (FINDINGS)

Produce movies that are a combination of Sci-Fi, Animation, and or Adventure. Few movies in the original dataset were of one genre.

Allocate a movie production budget of about one million US. Sci-fi, Animation, and Adventure were the three most expensive and profitable genres to produce.

Produce movies that can be marketed both domestically and internationally.



***moochas gracias!***

