Towards the Movie Industry

Analysis of the most successful movies in history

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What characteristics do movies that revenue average or better have?
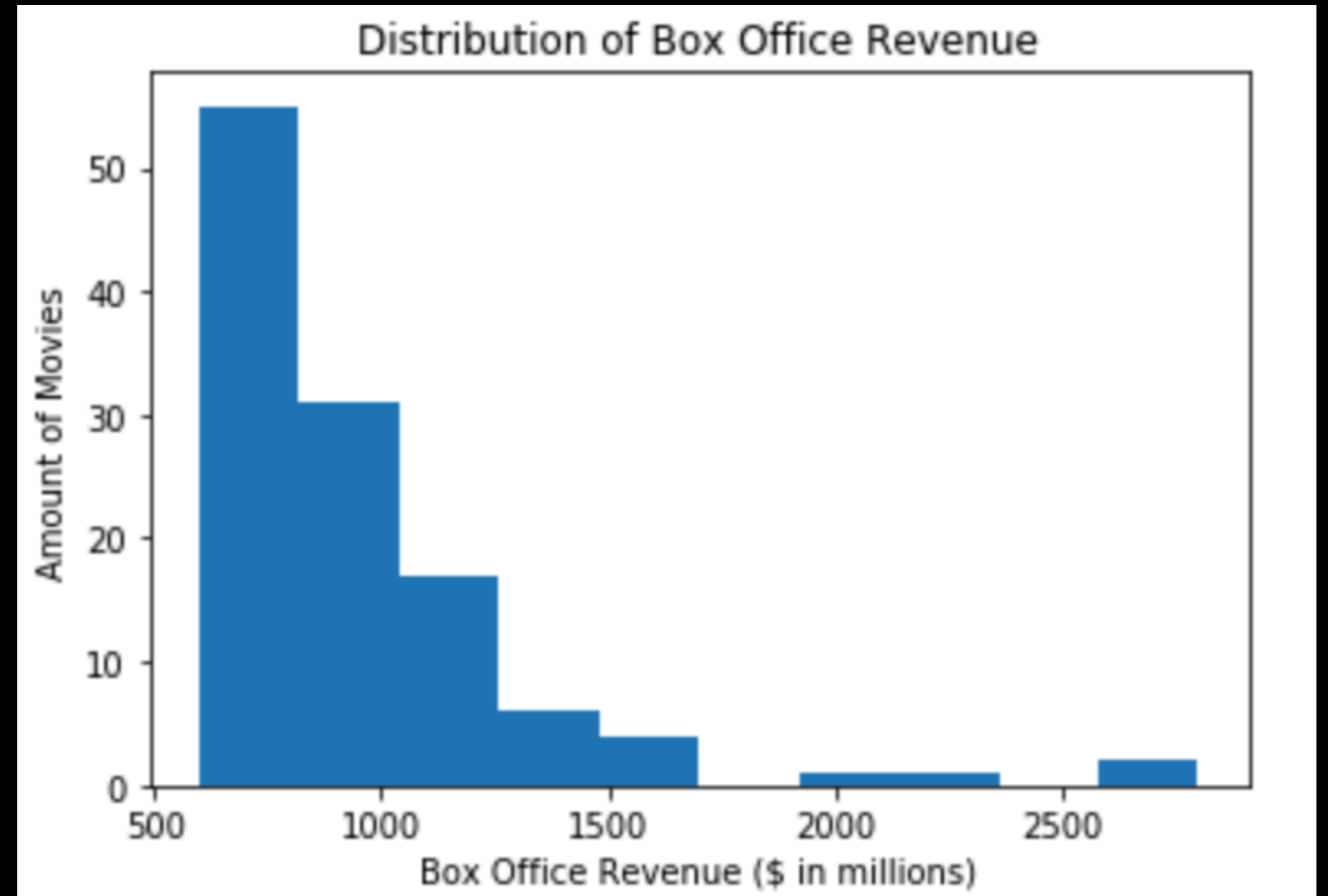
- What rating do these movies have?

- What genre are these movies?

- What specific attributes can be observed in the top 10 movies?

Assumptions

- Movies above 50% critic rating are acceptable.

  - People will go watch movies with higher ratings.

- Movies that revenue average or better are acceptable.

Box office Revenue of successful movies

- Very few movies reach the 2 billion mark

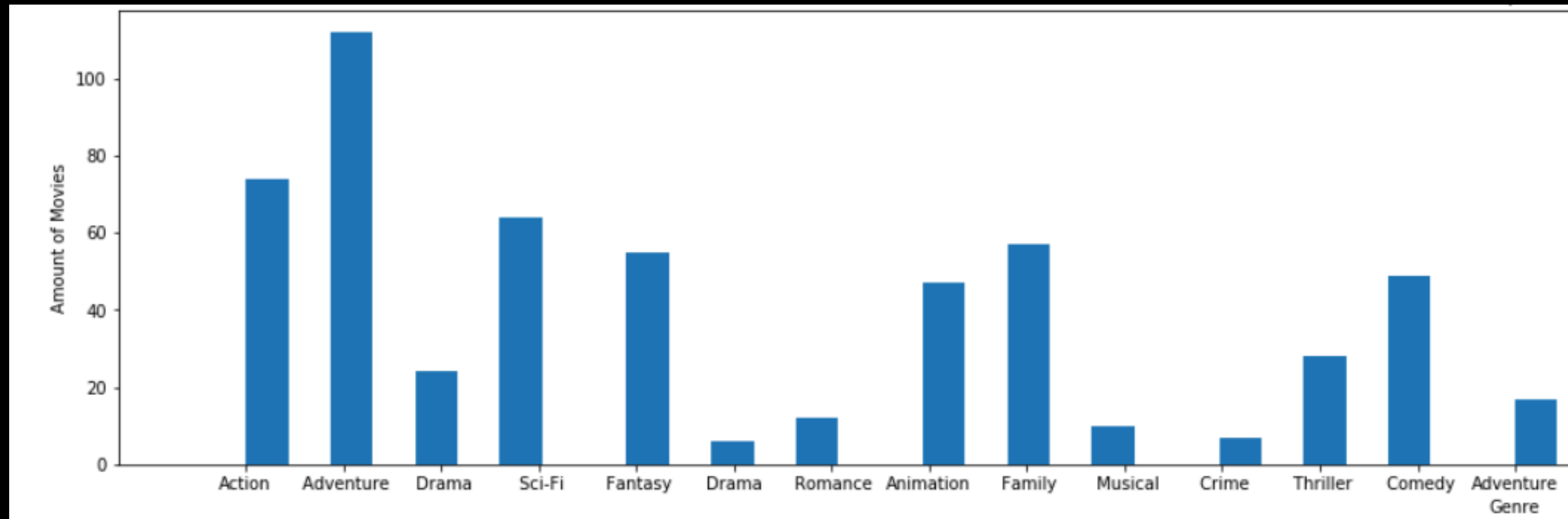- Most movies fall between 595 million and 1,550 million.

Distribution of Box Office Revenue

Top movies by Genre

1.Adventure

2.Action

3.Sci-Fi

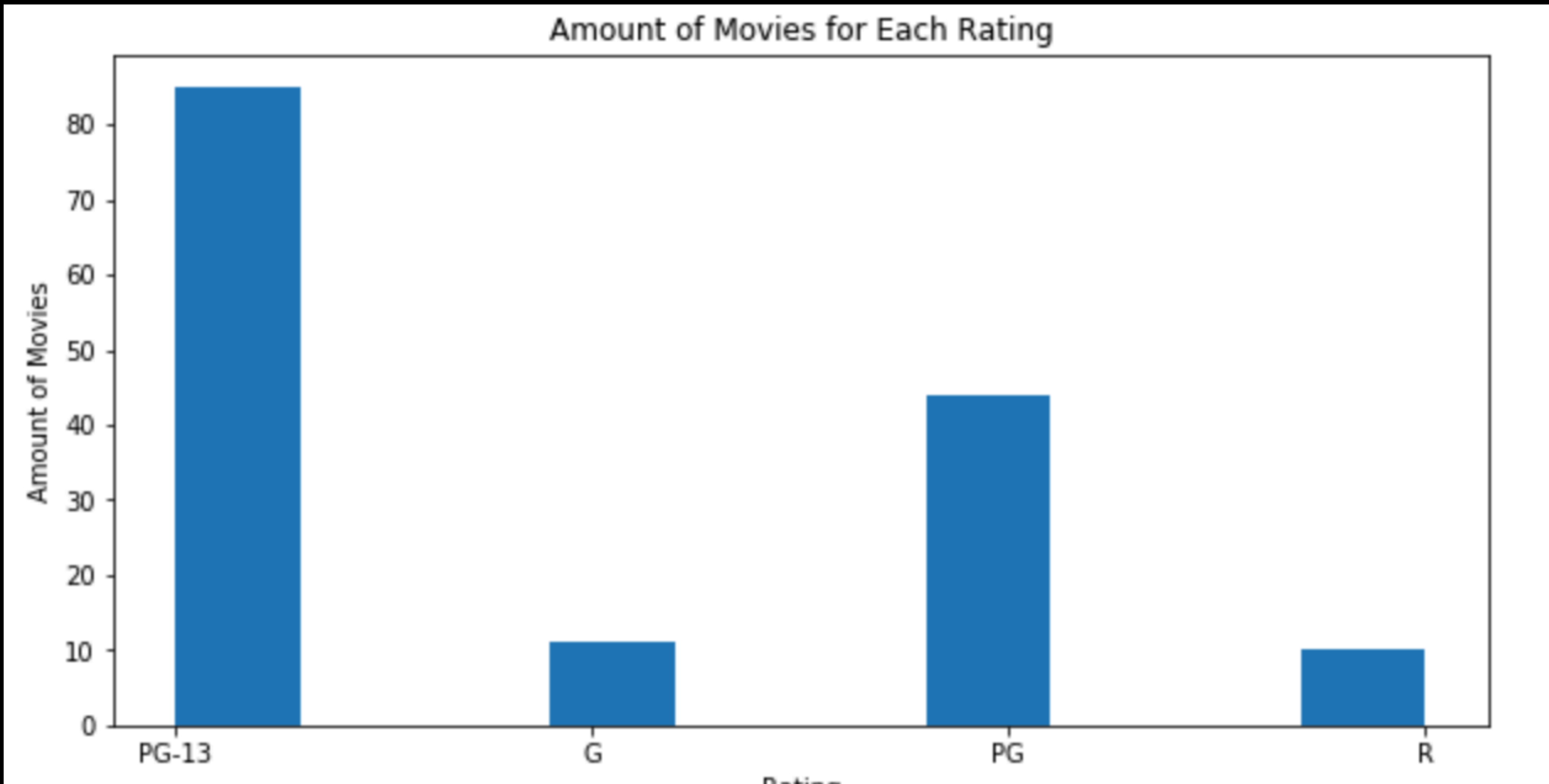4.Family

5.Fantasy

Movies by Rating

Revenue by Rating by Year

- PG-13 movies have revenue more than the rest of the ratings.

rated	year	worldwide	domestic	international
G	2013	743.59	268.49	475.10
	2017	1263.52	504.01	759.51
	2019	3781.29	1333.24	2448.07
PG	2011	1219.83	314.51	905.32
	2012	1922.44	578.66	1343.77
	2013	2817.04	955.98	1861.06
	2014	2025.26	640.94	1384.31
	2015	2551.74	893.66	1658.09
	2016	5694.36	2222.57	3471.81
	2017	2362.67	649.35	1713.31
	2018	2299.19	977.17	1322.01
	2019	1972.22	638.17	1334.04
PG-13	2011	2507.51	778.07	1729.45
	2012	6817.09	2527.92	4289.17
	2013	5578.31	2065.76	3512.55
	2014	5615.60	1964.08	3651.52
	2015	7287.96	2354.71	4933.25
	2016	3699.78	1406.94	2292.84
	2017	6715.97	2440.02	4275.95
	2018	6645.20	2284.58	4360.61
	2019	6613.04	2166.52	4446.53
R	2012	556.02	218.67	337.35
	2014	547.33	350.13	197.20
	2015	532.94	183.64	349.30
	2016	785.03	363.07	421.95
	2017	1315.96	555.11	760.85
	2018	786.68	324.59	462.09
	2019	1074.25	335.45	738.80

Attributes of Top 10 Observations

1. 80% of movies were part of a series, sequel, or remakes

2. 80% of movies had a rating of less than 90%.

3. Top 10 movies were not the top 10 best rated movies

Continuous Research

- 80% of the top 10 rated movies were kids movie.

- Total revenue of kids movie including toys, merchandise, and food sponsors.

Conclusion

- PG-13 movies.

- Build a franchise around the movies.

- Action and Adventure movies were the most common.

- Further research how much kids' movie revenue indirectly.

Questions