Module 1 - Final Project

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Project Goals

How do **Budget** and **Genre** influence the profitability of a film production?

- Return on Investment vs. Net Revenue

- Worldwide vs. Domestic contexts

- Over Recent Years (i.e. 2000-2020)

Films' budgets (from the-numbers.com) can be evenly split into categories of:

- \$0-5 Million
- \$5-20 Million
- \$20-50 Million
- \$50-Million

What are the distributions of their ROI (budget / revenue), for domestic and worldwide contexts?

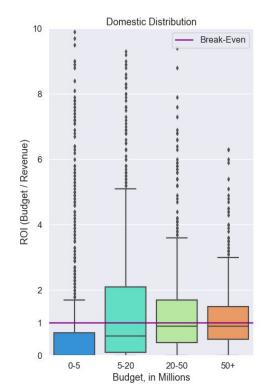
Distribution of Films' ROI, 2000 - 2020

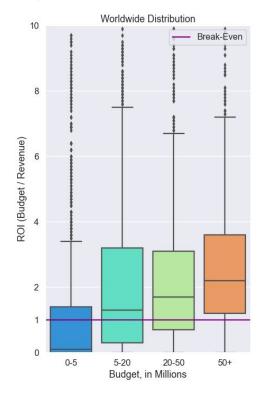
• Domestic:

Most films are not profitable

• Worldwide:

- \$5+ Million are mostly profitable
- The more spent, the more made





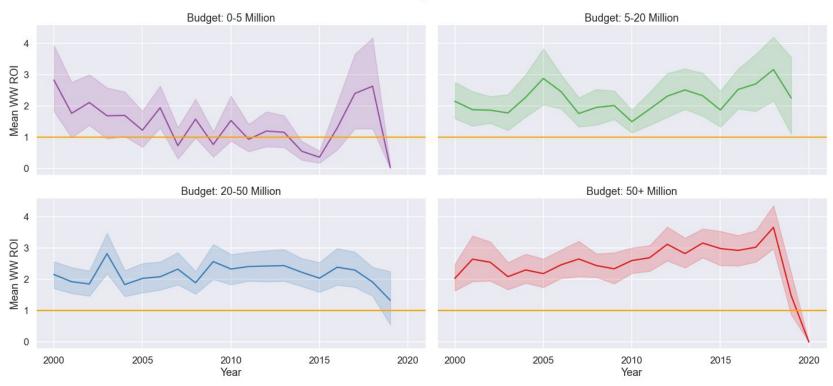
Are there any trends or clear winners in:

- Worldwide ROI
- Net Revenue

in the period from 2000-2020?

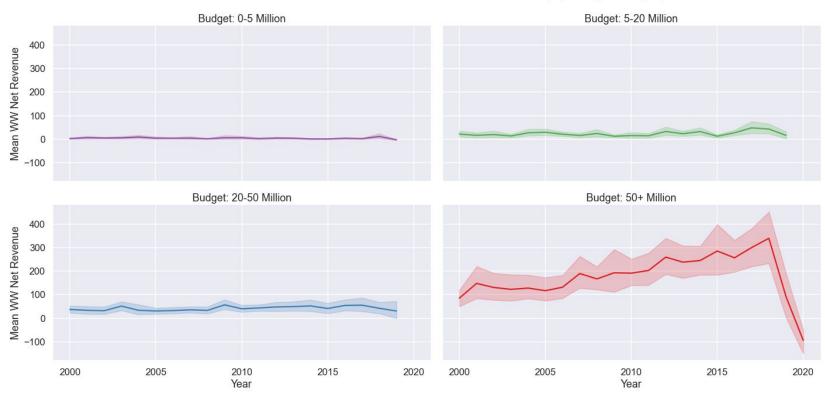
- Again, 5+ million seems to be most profitable.
- There is a big drop just before 2020, most likely because of the pandemic
- The top 3 categories are all roughly equivalent in ROI: what about Net Revenue?

Mean Worldwide ROI for Films 2000-2020, by Budget Category Orange line = Break-Even

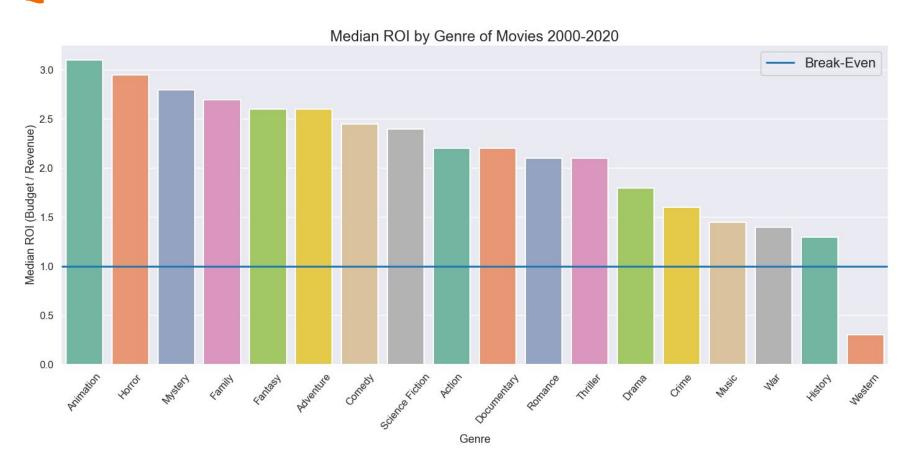


- In Net Revenue, the bottom 3 categories have low raw profitability
- The top category is vastly higher again, excepting the large drop just before 2020

Mean Worldwide Net Revenue for Films 2000-2020, by Budget Category



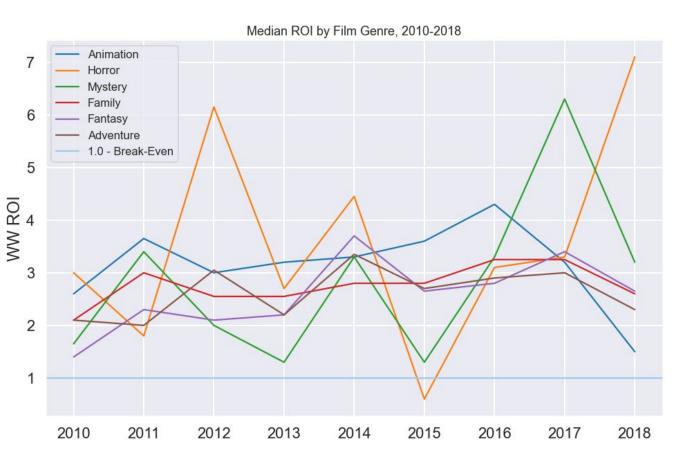
What film genres have the highest median Worldwide ROI?



We saw that:

- Animation, Horror, Mystery, Family, Fantasy, and Adventure are the top genres.

Are there any trends in these genres from 2010-2018?



Some are consistent and others are more volatile, but almost all genres stay well north of 'break-even' over this period.

Horror and Mystery are most volatile - they have high peaks, but low valleys.

Conclusions

Recommendations

- It's very clear that **worldwide** revenue/profitability should be prioritized, as the majority of domestic ROI's are below 1.0 (break-even).
- A threshold of \$5 million dollars is the point at which worldwide ROI is above the break-even point; and the more money invested,
 the more of a return is generated.
- We saw that the highest category (**\$50 million plus**) is a **clear winner** in terms of net revenue over the period 2000-2020 it's not as clear in terms of ROI. It's still highest, but it's in the ballpark of the other categories.
- The lowest category, **\$0-5 Million**, is the **clear loser** in both measures.
- In terms of genre, questions 3 and 4 show that most genres have profitability potential.
- Westerns are the clear losers here, and History, War, and Music films aren't much better.
- When looking at the **top genres**, **Animation**, **Horror**, **Mystery**, etc are all **quite profitable**, but some (Horror, Mystery) can be more **volatile** over time.