

Rockbuster Stealth Data Analysis

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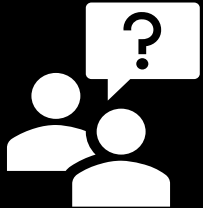




Objective

This presentation is intended to provide insights that will help launch the new online video rental service.

Key Business Questions



Which movies contributed the most/least to revenue gain?

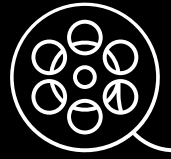
What was the average rental duration for all videos?

Which countries are Rockbuster customers based in?

Where are customers with a high lifetime value based?

Do sales figures vary between geographic regions?

Key Metrics



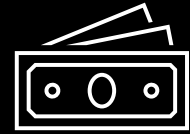
No. of
films
1000



No. of
customers
599



No. of
orders
14,596



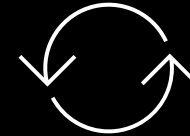
Total
revenue
\$61,312



Duration
of sales
10 months



Film
language
English



Repeat
purchase
rate
100%



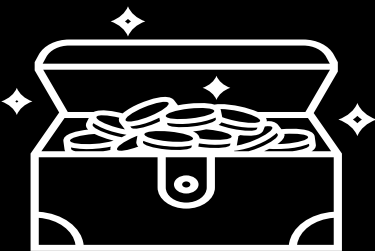
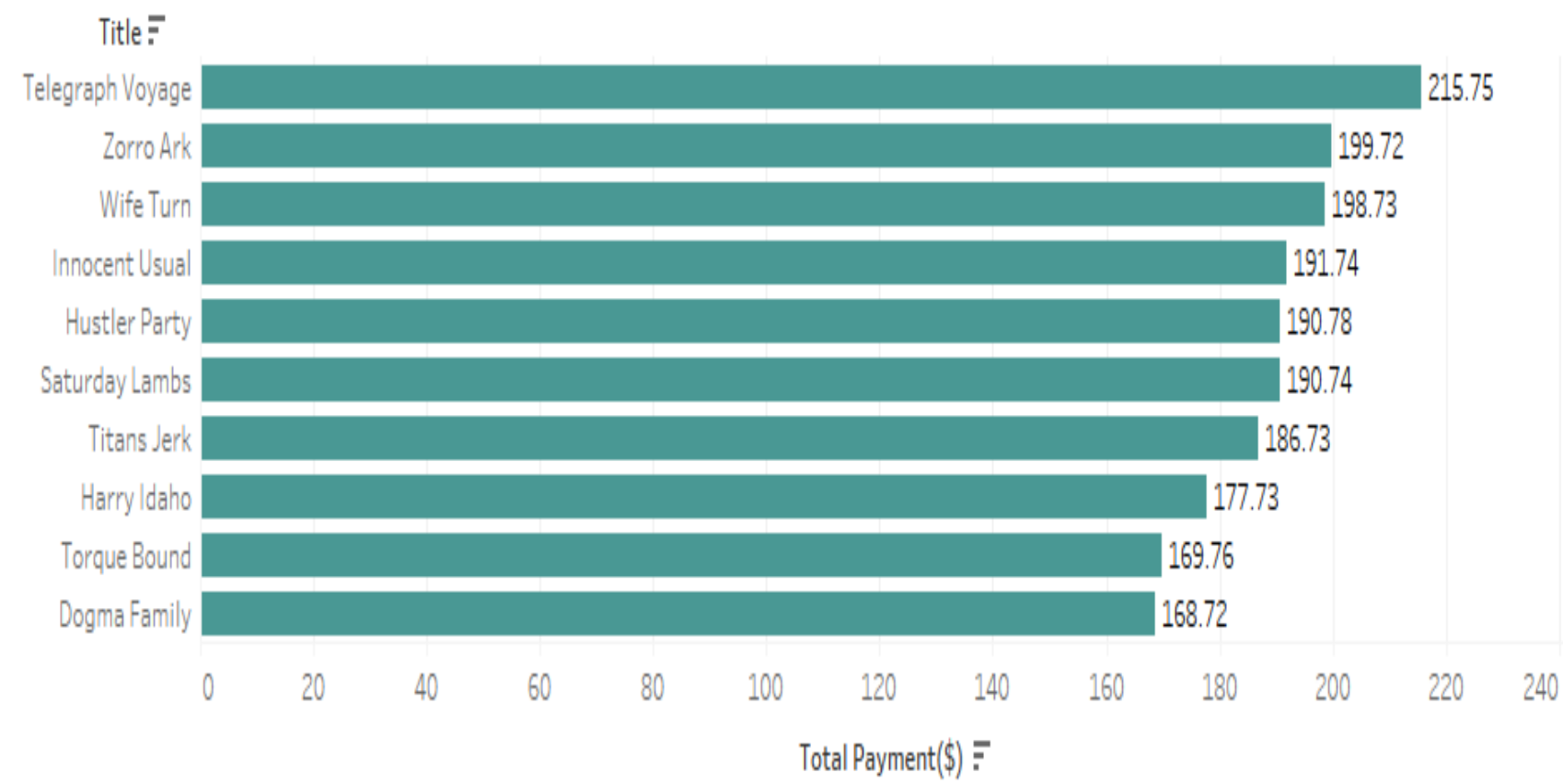
Popular
rating
PG-13

Data Overview

| | | | |
|-------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|
| Min rental duration 3 | Max rental duration 7 | Average rental duration 5 | Max rental rate 0.99 |
| Max rental rate 4.99 | Average rental duration 2.99 | Min film length 46 | Max film length 185 |
| Average film length 115 | Min replace- ment cost \$9.99 | Max replace- ment cost \$29.99 | Avg replace- ment cost \$19.98 |

Top ten movies(by revenue)

Top 10 movies



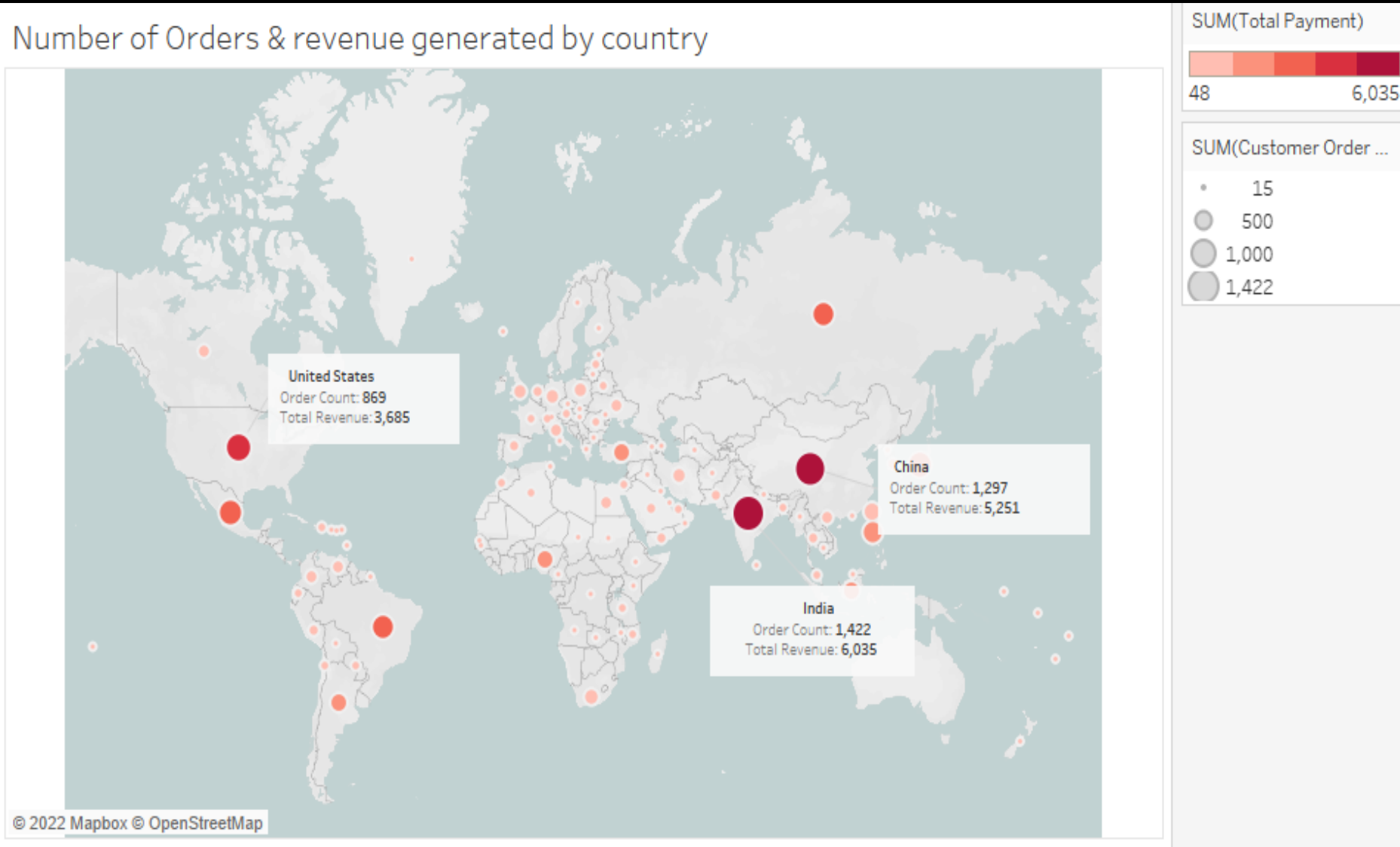
List of movies that did not generate any revenue

- Alice Fantasia
- Apollo Teen
- Argonauts Town
- Ark Ridgemont
- Arsenic Independence
- Boondock Ballroom
- Butch Panther
- Catch Amistad
- Chinatown Gladiator
- Chocolate Duck
- Commandments Express
- Crossing Divorce
- Crowds Telemark
- Crystal Breaking
- Dazed Punk
- Deliverance Mulholland
- Firehouse Vietnam
- Floats Garden
- Frankenstein Stranger
- Gladiator Westward
- Gump Date
- Hate Handicap
- Hocus Frida
- Kentuckian Giant
- Kill Brotherhood
- Muppet Mile
- Order Betrayed
- Pearl Destiny
- Perdition Fargo
- Psycho Shrunk
- Raiders Antitrust
- Rainbow Shock
- Roof Champion
- Sister Freddy
- Sky Miracle
- Suicides Silence
- Tadpole Park
- Treasure Command
- Villain Desperate
- Volume House
- Wake Jaws
- Walls Artist



42 movies were not rented hence did not generate any revenue. Further analysis would be done to determine why.

Number of orders & revenue generated by country



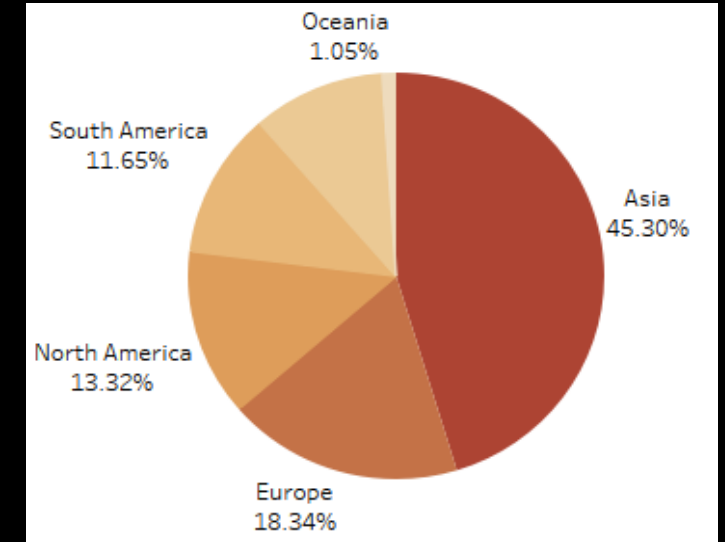
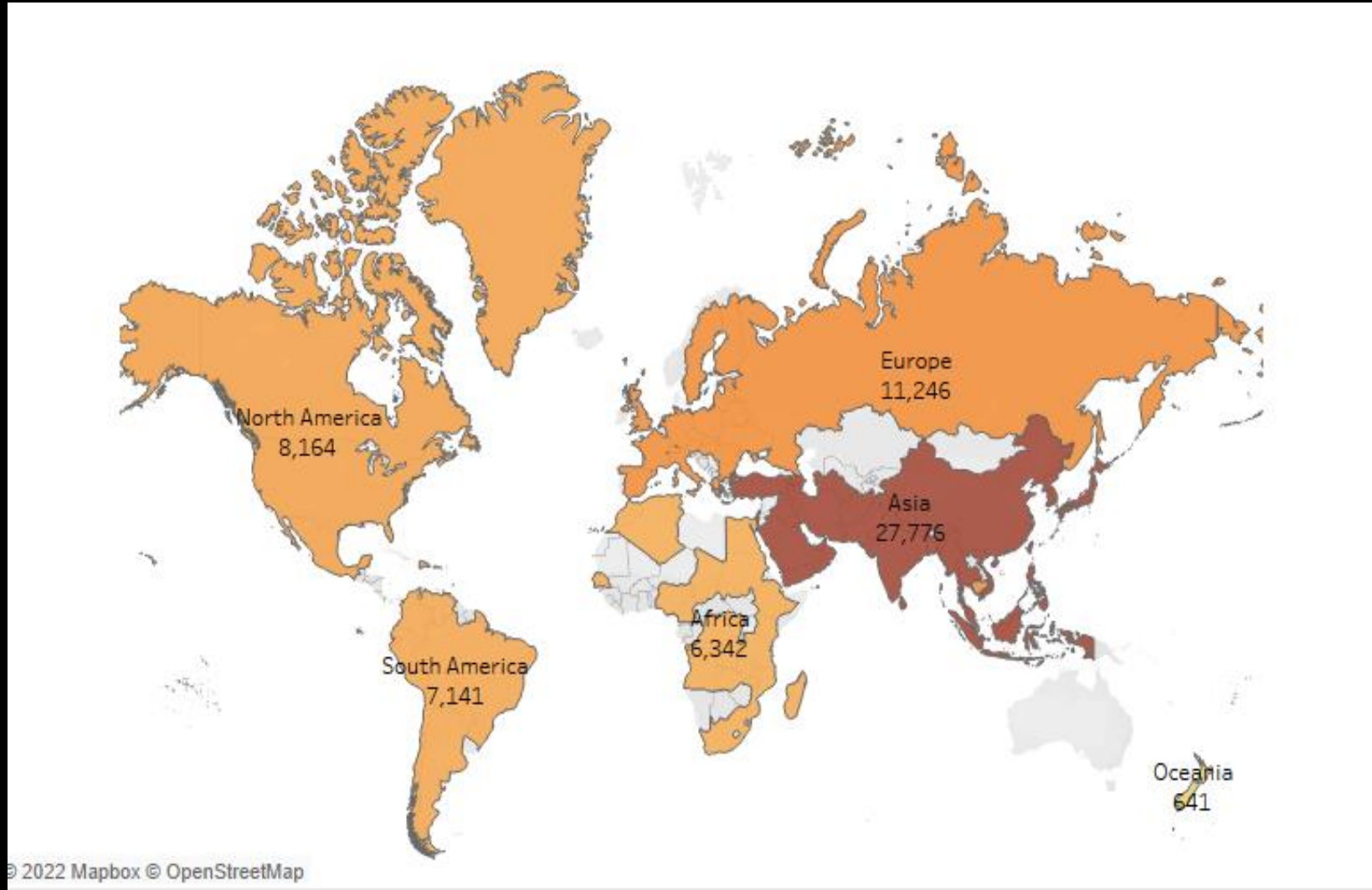
- Rockbuster's customers are located across **108** countries.
- The annotation on the map shows the top 3 countries with the highest customer orders and revenue.
- The size of the bubble represents the number of orders while the colour represents the revenue.

Location of Top Customers



These are the location of the top 3 customers that spent the most.

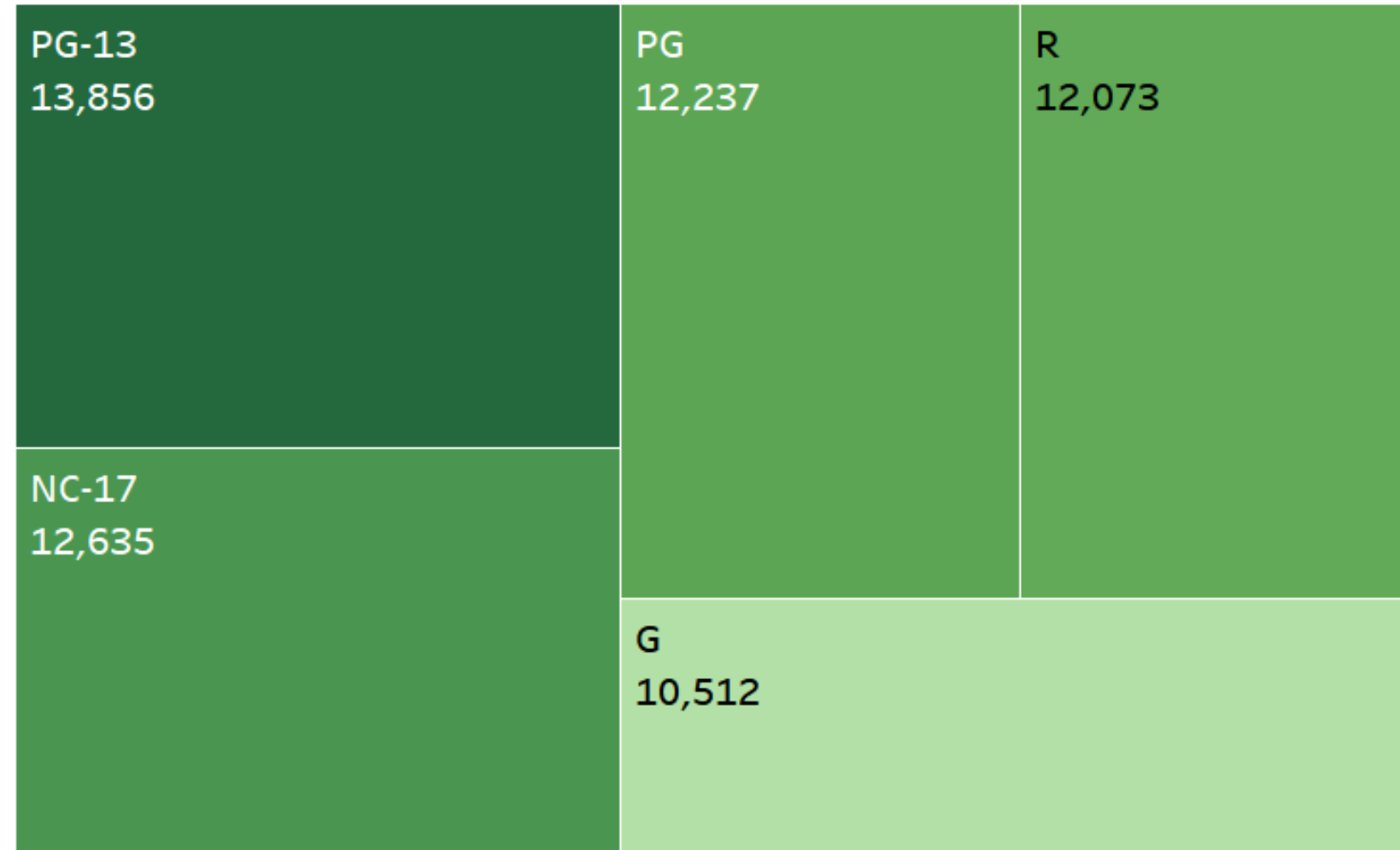
Revenue by region



Asia has the most sales which accounts for 45% of the total revenue.

Revenue by rating

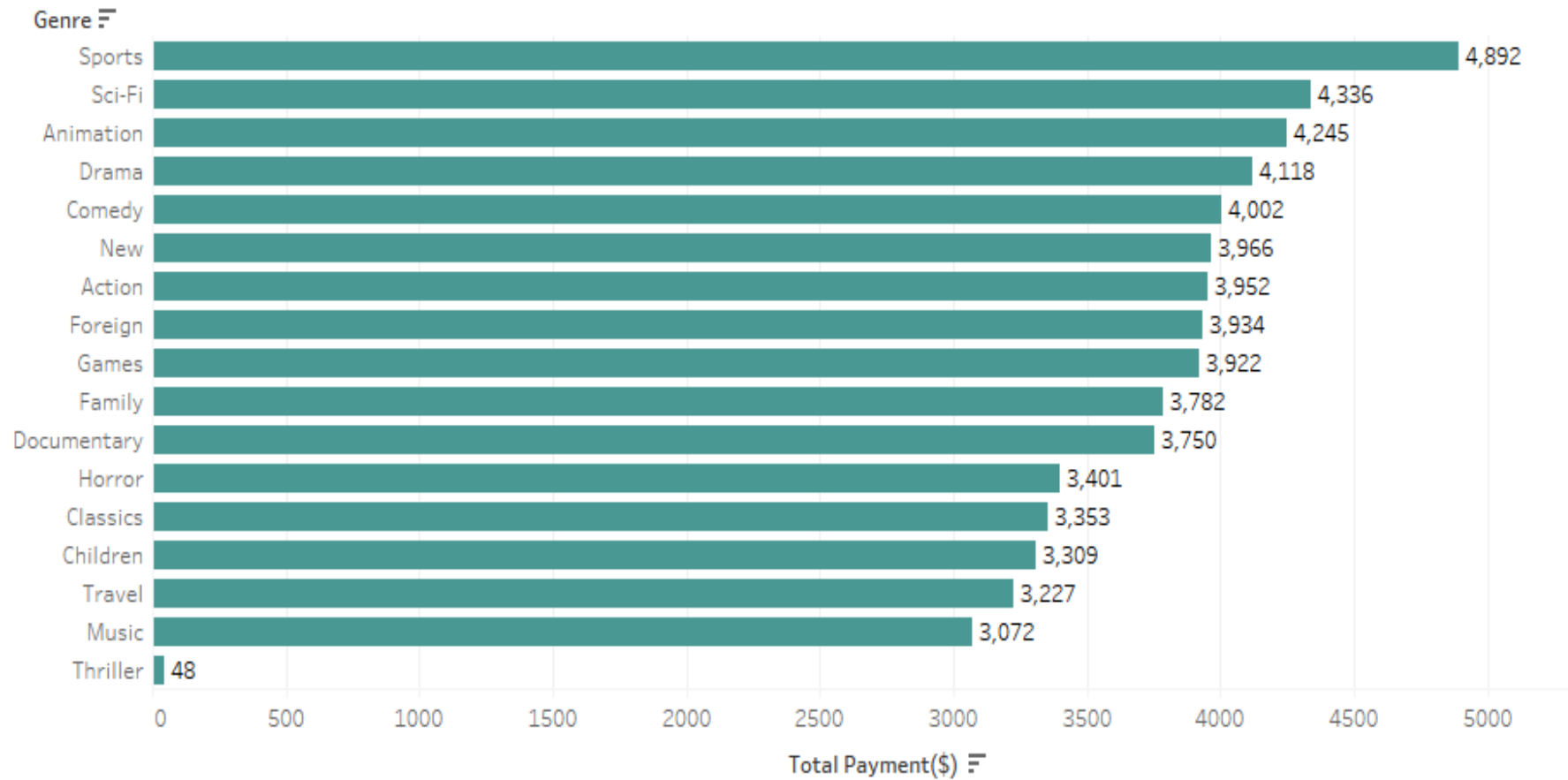
Revenue by rating



Though PG-13 generated the most revenue, there isn't much variability among the ratings.

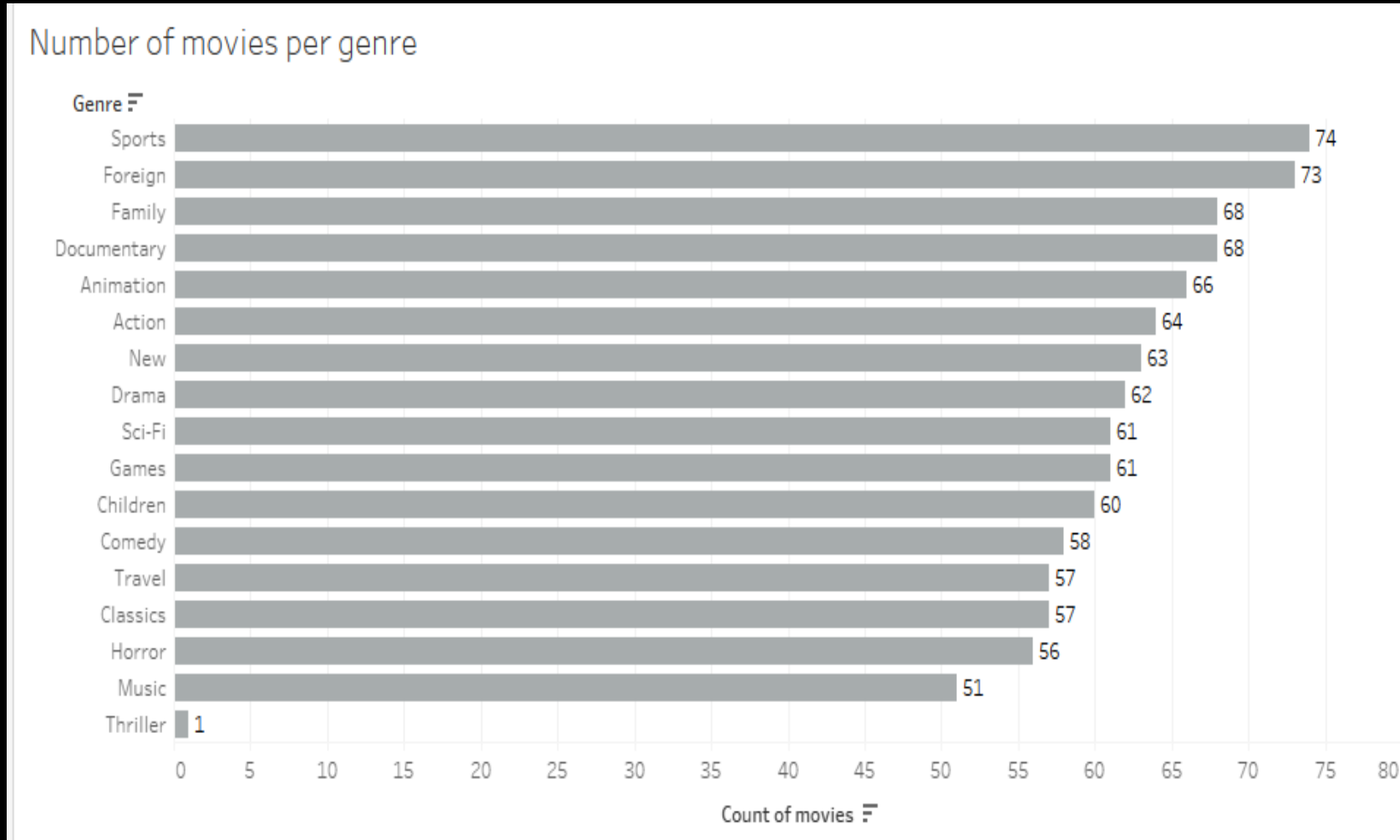
Revenue by Genre

Revenue by genre



Sports generated the most revenue and surprisingly Thriller generated the least revenue. This could be as a result of the number of available movies in each genre.

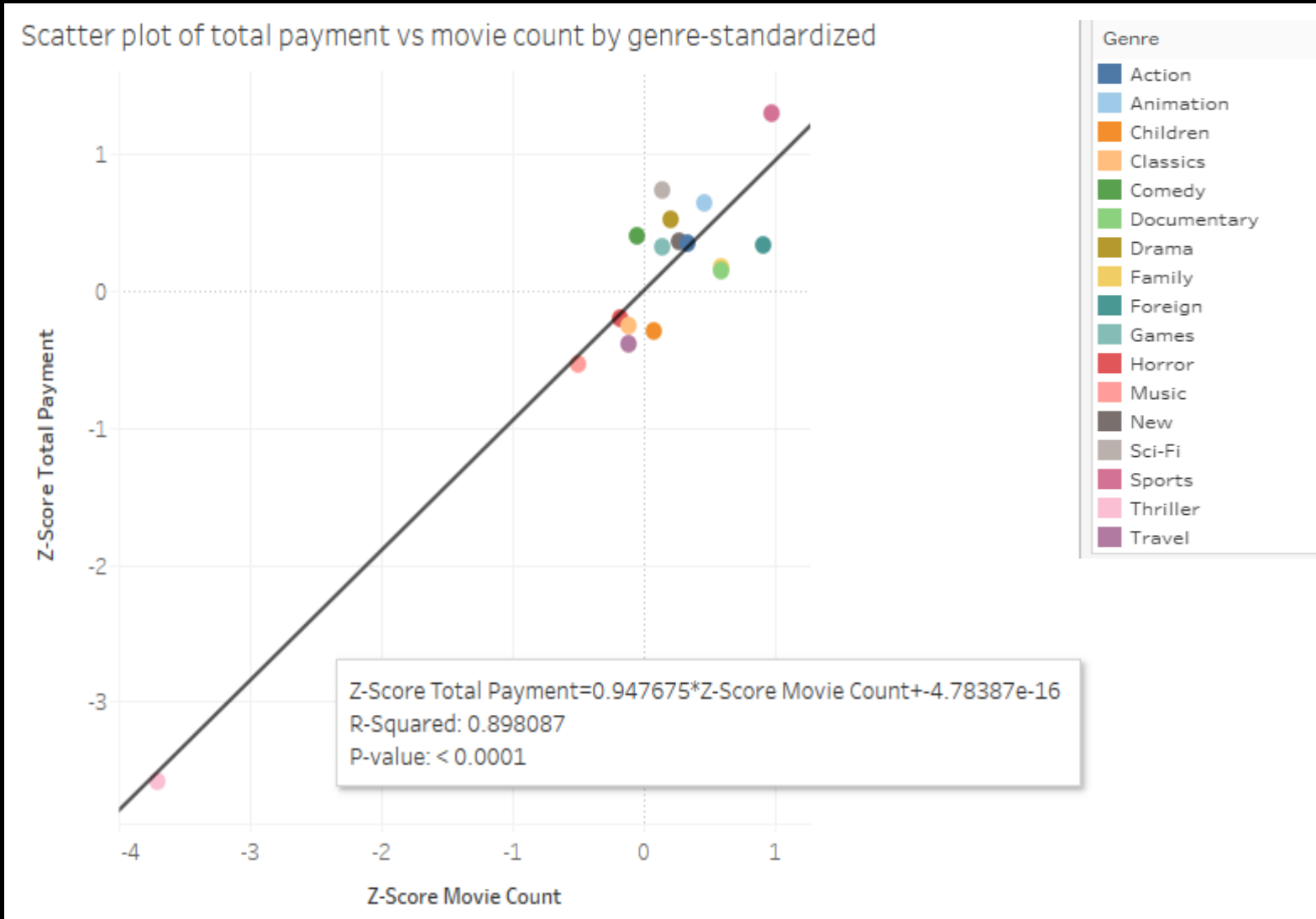
Number of Movies per Genre



Sports has the most movies while Thriller has the least movies.

Like earlier mentioned, number of movies could be linked to revenue generated per genre. Further analysis was done to ascertain if there exist a positive relationship between both variables.

Results from statistical analysis



Further analysis, reveals that there's a strong positive relationship between number of movies available per genre and revenue generated per genre. Also, the relationship is statistically significant at 95% confidence level.

Recommendation

With respect to the online video rental service, here are my recommendations;

- Ad campaigns should be targeted at top continents, countries and cities.
- Analysis has shown that increase in number of available movies leads to an increase in revenue. Hence, more movies should be made available in the different genres. Data should be collected to know what kind of movies customers like.
- Top movies should be prioritized to increase revenue.

Recommendation Cont'd

- Foreign films should be made available since 45% of the customers are from Asia.
- The collection of films should be expanded to increase the client base as only film released in 2006 are currently available.

Next Steps

- A survey will be sent to customers regarding the 42 movies that were never rented. The data will be analysed to determine why and the way forward. This could help save and generate money for the company.
- All existing and potential customers will be notified about the new online rental service and feedback will be obtained on how to make the experience more exciting.
- Sales channels will be identified e.g monthly subscription, purchase per film etc.
- Analysis will be done three months into the implementation of the new service to determine key business metrics and monitor its progress. The results should identify areas for improvement and help make critical decisions.



THANK YOU

Please see link to visualizations:
<https://public.tableau.com/app/profile/mercy.tsekiri/viz/VisualizationofRockbusterData/Revenuebyrating?publish=yes>