Project 1: Investigate a Relational Database

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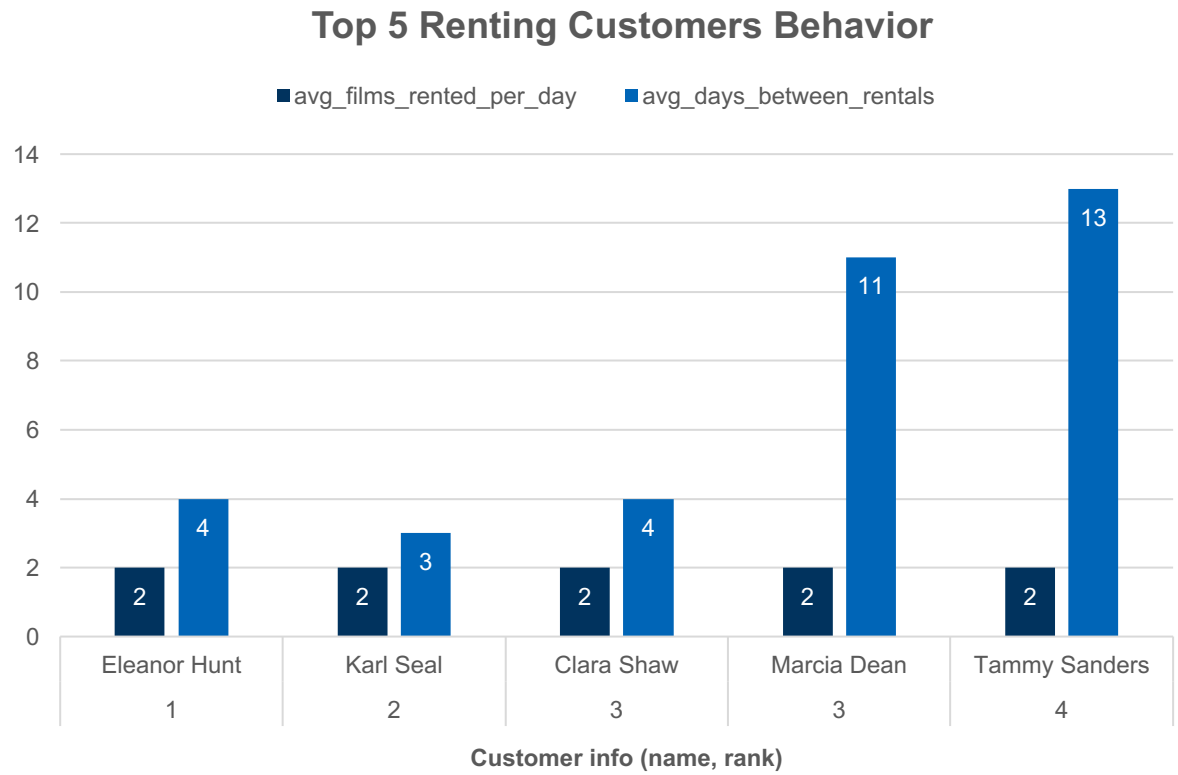
What is the average number of films rented per day, and the average days between rentals for the top 5 renting customers?

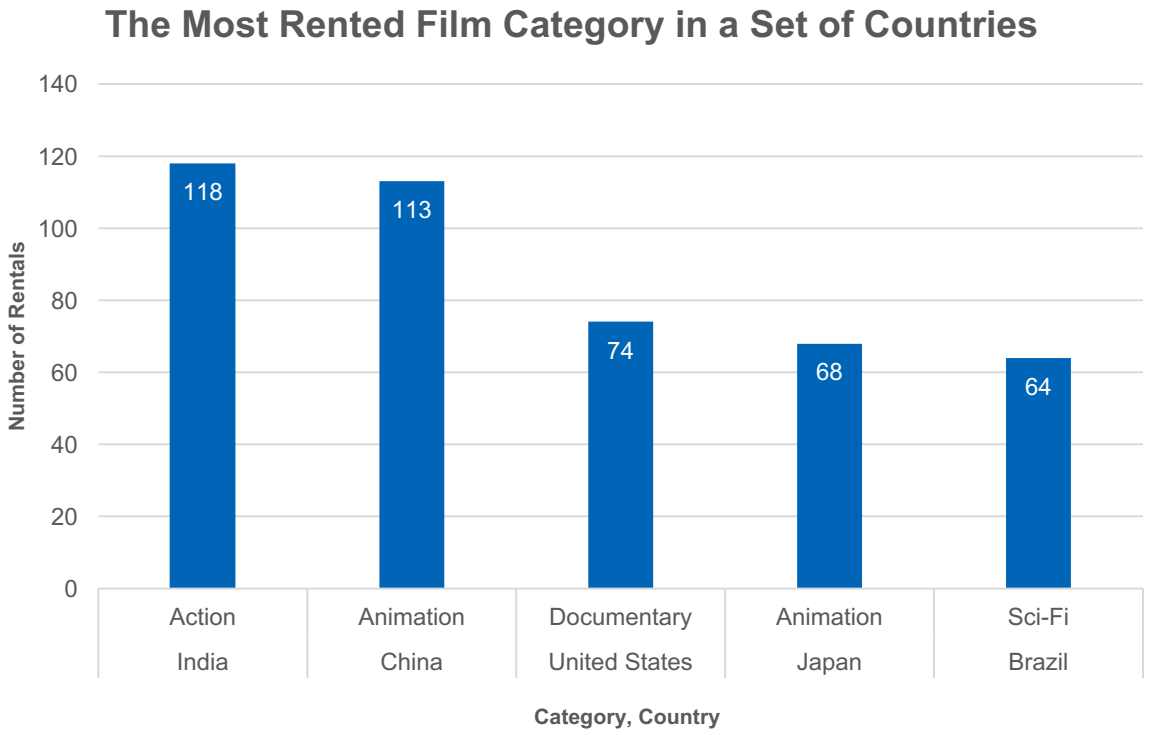


As you can see from the chart, we have two customers (Clara, Marcia) sharing the same rank which means that these two rented an equal amount of films overall.

Also, we can see that all of the top 5 renting customers rented 2 films per day on average.

And regarding the days they spent between their rentals on average, Karl had the lowest number of days (3 days), while Tammy had the highest (13 days).

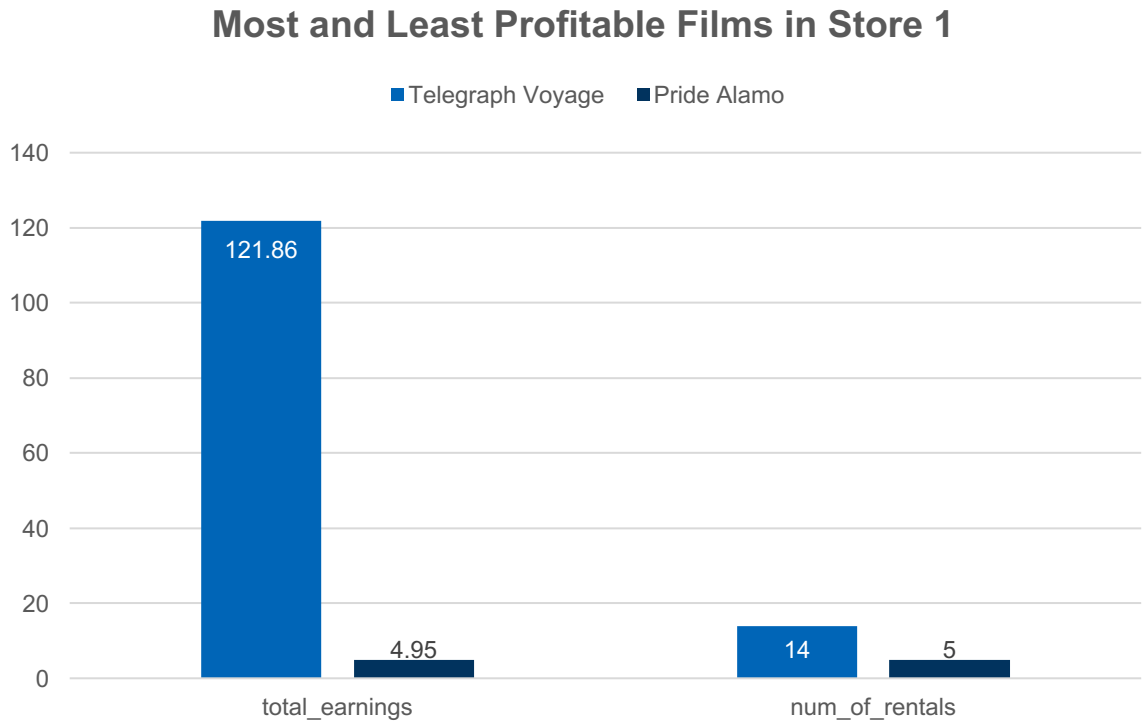
What is the most rented film category in (India, China, United States, Japan and Brazil) and how many times they were rented?



As we can see from this chart, Animation was the most rented film category in China and Japan with 113 and 68 rentals respectively.

While the other countries had different film categories, Action for India, Documentary for The United States and Sci-fi for Brazil.

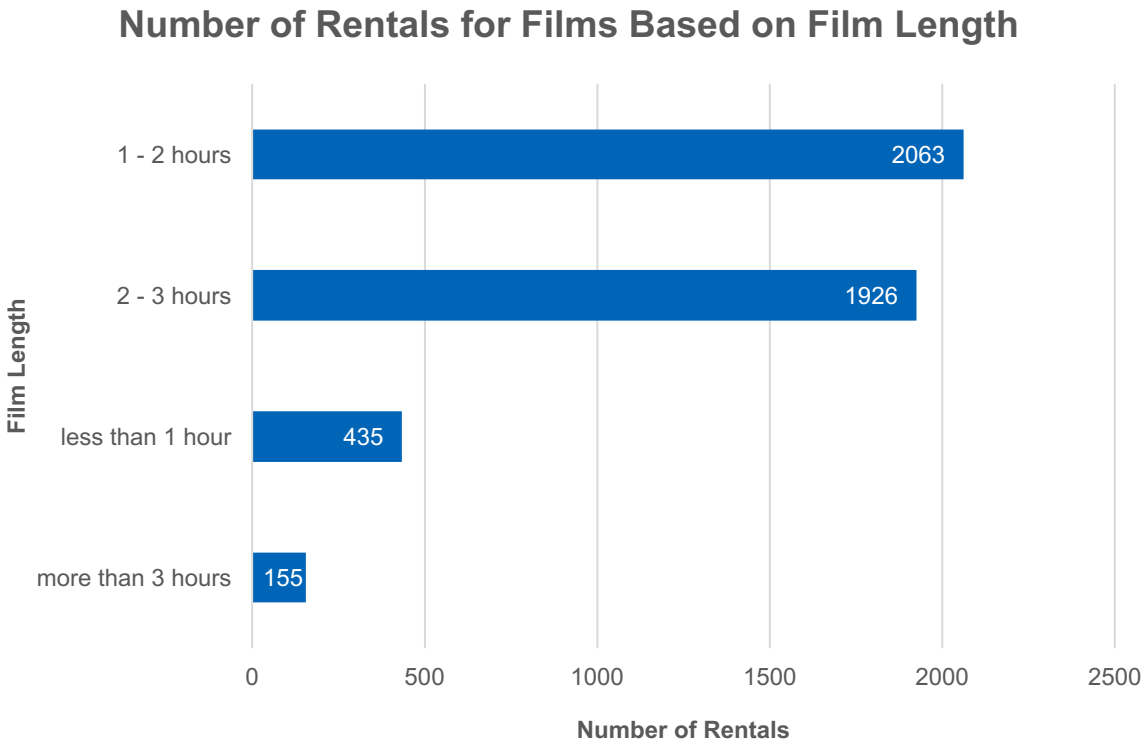
What is the most and least profitable films in store 1, And how many times they were rented?



It is clear from the chart that **Telegraph Voyage** was the most profitable film in store1 with a total earnings of 121.86$ and it was rented 14 times.

On the other hand, **Pride Alamo** was the least profitable with a total earnings of 4.95$ and it was rented 5 times only.

What is the most and least preferred film length by customers?



The chart shows that customers most preferred film length was (1 - 2 hours), and the least preferred film length was (more than 3 hours).