

Query 1: Are there any films without actors?

Films without actors

film_id	title	category	inventory_count
803	Slacker Liaisons	Drama	6
323	Flight Lies	Sports	4
257	Drumline Cyclone	Travel	3

In the database, there are three films which have no actors. These films are:

- Slacker Liaisons (Drama category)
- Flight Lies (Sports category)
- Drumline Cyclone (Travel category)

Each film has multiple inventory numbers. In total, there are 13 DVDs without actors for rent.

Query 2: Which categories yield the highest rentals?

Rentals of film categories

category	total_amount	number_of_rentals
Sports	4892.19	1081
Sci-Fi	4336.01	998
Animation	4245.31	1065
Drama	4118.46	953
Comedy	4002.48	851
New	3966.38	864
Action	3951.84	1013
Foreign	3934.47	953
Games	3922.18	884
Family	3830.15	988
Documentary	3749.65	937
Horror	3401.27	773
Classics	3353.38	860
Children	3309.39	861
Travel	3227.36	765
Music	3071.52	750
TOTAL	61312.04	14596

In terms of amount, these categories yield the highest rentals:

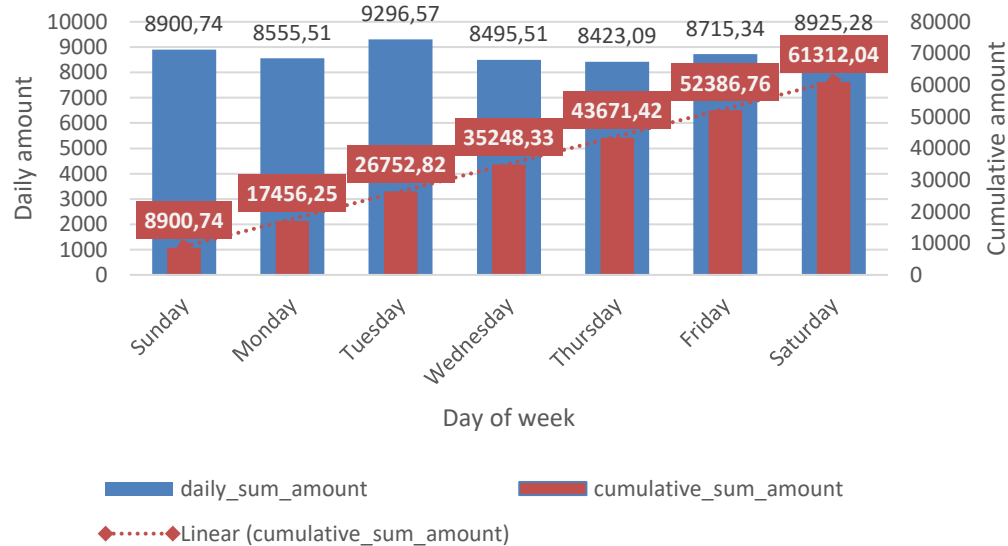
- Sports (4892.19)
- Sci-Fi (4336.01)
- Animation (4245.31)

The category “Sports” has also the highest number of rented DVDs (1081).

Total amount of rentals is 61312.04, total number of rentals is 14596.

Query 3: Are there any differences of rental amount during days of week?

Amount of rentals on days of week

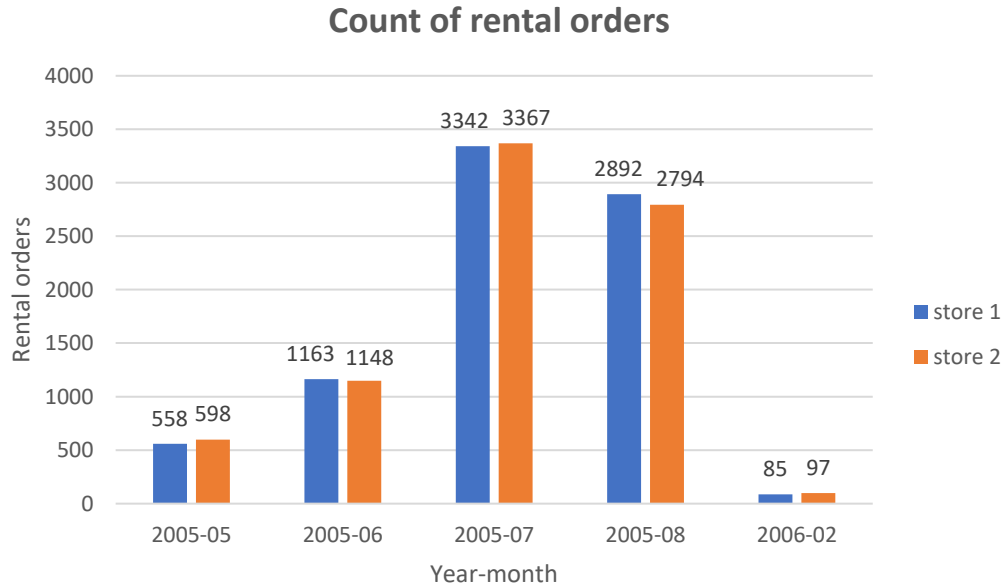


It looks like every day of week yields similar rental amount.

Also graph of cumulative amounts during week shows quite linear trend.

Highest rental amount was achieved on Tuesdays, lowest on Thursdays.

Query 4: How do the two stores compare?



We want to find out how the two stores compare in their count of rental orders during every month for all the years we have data for. We can conclude:

- Both stores have similar count of rental orders during the same month and year.
- Number of rental orders changed significantly over time.