

SAKILA RELATIONAL DATABASE

BY

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Question 1: What are the first 10 overdue DVD in the Sakila Database?

NAME	PHONE NUMBER	TITLE	CREATED DATE	LAST DATE
KNIGHT, GAIL	904253967161	HYDE DOCTOR	2006-02-14 22:04:36	2006-02-15 04:57:20
MAULDIN, GREGORY	80303246192	HUNGER ROOF	2006-02-14 22:04:37	2006-02-15 04:57:20
JENKINS, LOUISE	800716535041	FRISCO FORREST	2006-02-14 22:04:36	2006-02-15 04:57:20
HOWELL, WILLIE	991802825778	TITANS JERK	2006-02-14 22:04:36	2006-02-15 04:57:20
DIAZ, EMILY	333339908719	CONNECTION MICROCOSMOS	2006-02-14 22:04:36	2006-02-15 04:57:20
LAWRENCE, LAURIE	956188728558	HAUNTED ANTITRUST	2006-02-14 22:04:36	2006-02-15 04:57:20
ANDERSON, LISA	635297277345	BULL SHAWSHANK	2006-02-14 22:04:36	2006-02-15 04:57:20
DUGGAN, FREDDIE	644021380889	GHOST GROUNDHOG	2006-02-14 22:04:37	2006-02-15 04:57:20
MORRIS, HEATHER	697760867968	PEACH INNOCENT	2006-02-14 22:04:36	2006-02-15 04:57:20
SOUTH, ROLAND	25865528181	SUIT WALLS	2006-02-14 22:04:37	2006-02-15 04:57:20

The table indicates the first 10 overdue DVD in the database with a list of names and the title of the film.

Question 2: What are the top 7 paying customers and the average amount each paid in total?

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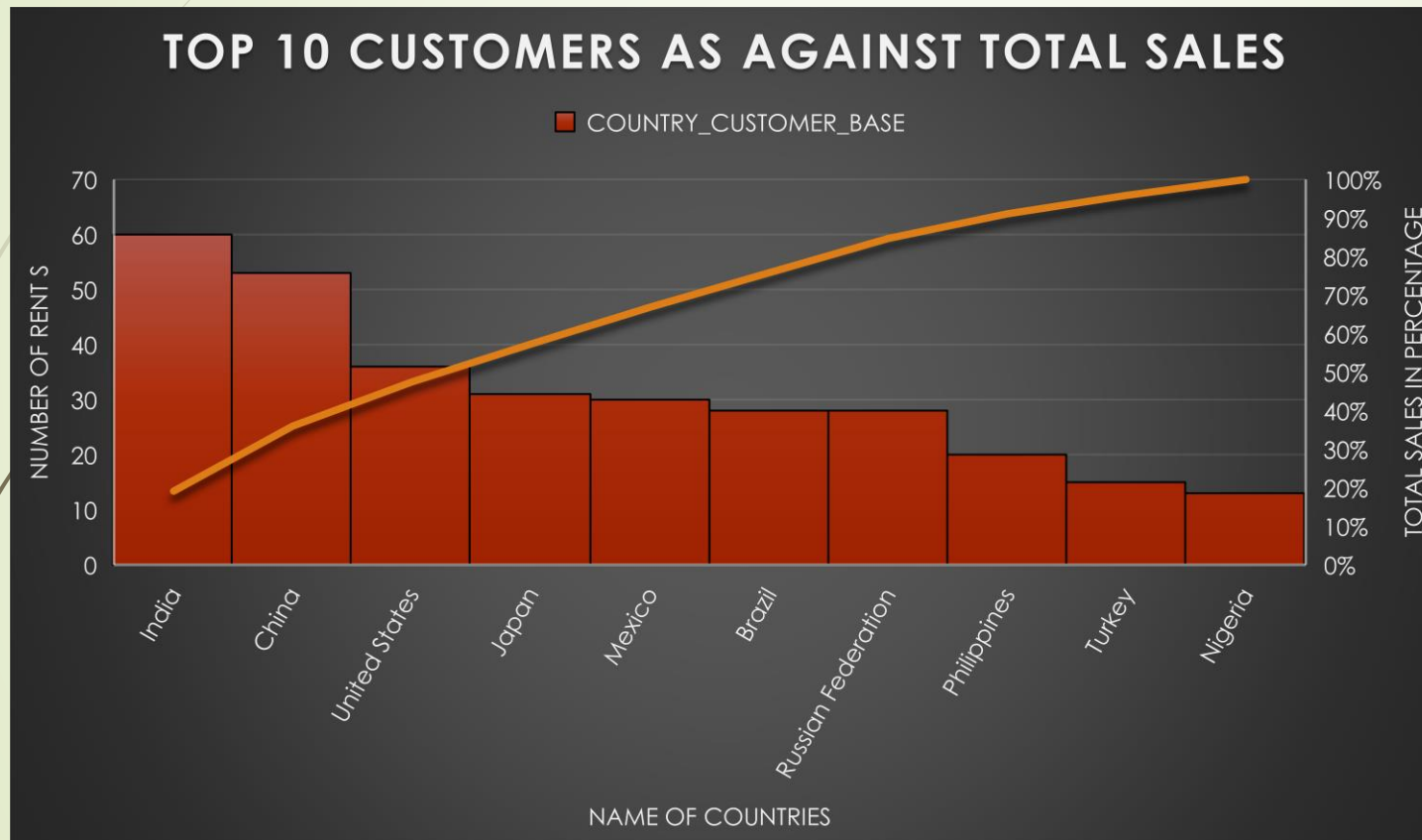
FULL NAME	EMAIL	ADDRESS	PHONE	COUNTRY	TOTAL AMOUNT	AVERAGE AMOUNT
MARION SNYDER	MARION.SNYDER@sakila customer.org	1891 Rizhao Boulevard	39106554987 6	Brazil	310.32	4.563529
TRACY HERRMANN	TRACY.HERRMANN@saki lacustomer.org	1074 Sanaa Parkway	15412412845 7	Ecuador	262.42	4.524483
JAMIE WAUGH	JAMIE.WAUGH@sakilac ustomer.org	958 Sagamihara Lane	42727492650 5	Japan	258.46	4.786296
LESLIE SEWARD	LESLIE.SEWARD@sakilac ustomer.org	1152 al-Qatif Lane	13137066521 8	Indonesia	242.43	4.253158
JESSIE BANKS	JESSIE.BANKS@sakilacust omer.org	1229 Valencia Parkway	35267917373 2	Bulgaria	233.41	3.956102
KARL SEAL	KARL.SEAL@sakilacusto mer.org	1427 Tabuk Place	21475683912 2	United States	221.55	4.923333
ELEANOR HUNT	ELEANOR.HUNT@sakilac ustomer.org	1952 Pune Lane	35461506696 9	Runion	216.54	4.707391

Question 2: The sum of the first 7 highest customer's Payment CONT.

Among the customers in Sakila rental company, the highest payment was made by Marion (\$310.32) with an average of 4.56. The least payment was made by Terry (\$200) with average of 4.09.

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Question 3:What are the number of top 10 customers in each country, the total sales and the presence rent film (highest to the least)?



The total number of countries presence in the Sakila Rental (DVD) company is 109 countries. Among the 109 countries, India has the highest number of customers base (60) and the largest total sales .

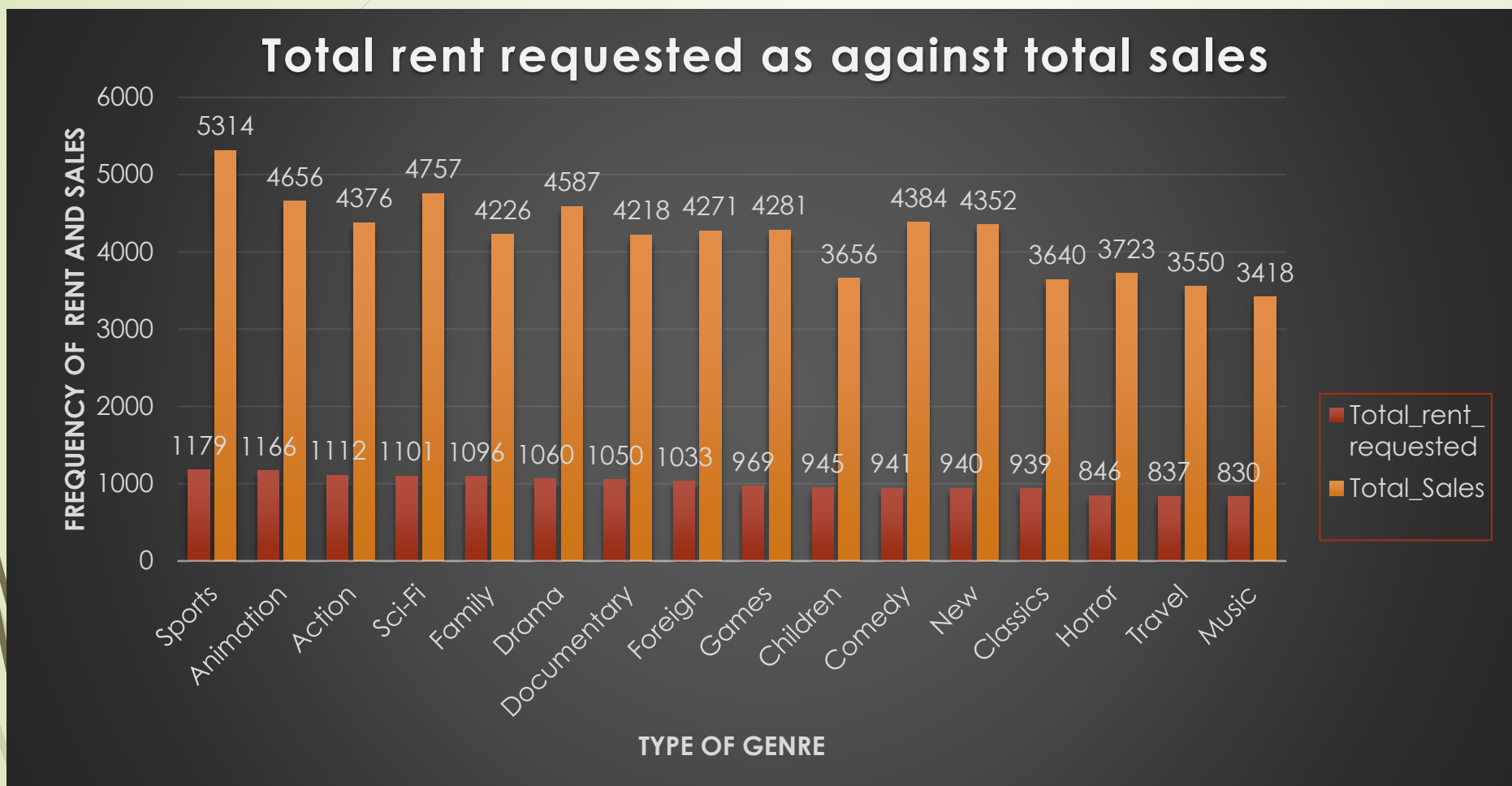
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Question 4: Which film title has the highest total rental duration as well as average film rate?

FILM TITLE	TOTAL(R_D)	AVERAGE(F_R)	DESCRIPTION
ADAPTATION HOLES	7	2.990000	A Astounding Reflection of a Lumberjack And a Car who must Sink a Lumberjack in A Baloon Factory
ACADEMY DINOSAUR	6	0.990000	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies
AFRICAN EGG	6	2.990000	A Fast-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico
AFFAIR PREJUDICE	5	2.990000	A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank
AGENT TRUMAN	3	2.990000	A Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China
ACE GOLDFINGER	3	4.990000	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China

From table, the film title with the highest rental duration is "ADAPTATION HOLES (7) with an average of (2.99). The among the film titles with the lowest rental duration are "AGENT TRUMAN" and "ACE GOLDFINGER".

Question 5: What are the most requested genre and their total sales?



The graph indicates that, the most requested genre in company is **Sports** (**1179**) with a total sales of **\$5314** followed by **Animation** (**Total rent requested = 1166**, **total sales = 4656**). The least among the genre is **Music** (**Total rent requested = 830**, **Total sales = 3418**).

CONCLUSION

- The findings indicate that there is an overdue DVD which the company must pay attention to that.
- The Sakila company must also reward customers that contribute a lot to the sales. This will serve as a promotional tool to encourage bulk purchase.
- The company must also increase their supply in sports production since majority of the customers are interested in sports movie.

REFERENCES

- https://www.w3schools.com/sql/sql_ref_mysql.asp
- <https://www.freecodecamp.org>