

Results Set

3.6.2

Film table summary statistics:	Min	Max	Avg	Mode
release_year	2006	2006	2006	2006
rental_duration	3	7	4.985	
rental_rate	0.99	4.99	2.98	
length	46	185	115.272	
replacement_cost	9.99	29.99	19.98	
Non-numeric				
rating				PG-13
language_id				1
special_features				{Trailers, Commentaries, "B

Actor Table Summary statistics

first_name	Julia
last_name	Kilmer

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	customer_count
"India"	60
"China"	53
"United States"	36
"Japan"	31
"Mexico"	30
"Brazil"	28
"Russian Federation"	28
"Philippines"	20
"Turkey"	15
"Indonesia"	14

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City	Country	top_5_count
"Aurora"	"United States"	2
"Atlixco"	"Mexico"	1
"Xintai"	"China"	1
"Adoni"	"India"	1
"Dhule (Dhulia)"	India	1
"Kurashiki"	Japan	1
"Pingxiang"	China	1
"Sivas"	"Turkey"	1
"Celaya"	"Mexico"	1
"So Leopoldo"	"Brazil"	1

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customer_id	first_name	last_name	city	country	total_amount
84	Sara	Perry	Atlixco	Mexico	128.7
537	Clinton	Buford	Aurora	United States	98.76
367	Adam	Gooch	Adoni	India	97.8
564	Bob	Pfeiffer	Xintai	China	82.78
330	Scott	Shelley	Aurora	United States	60.82

BONUS/Questions from the Achievement Project Brief

Most Profitable Movies: rental revenue

Trip Newton	104.79
Scalawag Duck	104.79
Bucket Brotherhood	104.79
Forrester Comancheros	94.81
Durham Panky	94.81
Boogie Amelie	89.82
Coma Head	89.82
Cat Coneheads	89.82
Truman Crazy	84.83
Dogma Family	84.83

Least Profitable:

Minority Kiss	0
State Wasteland	0
Holes Brannigan	0
Half Outfield	0
Philadelphia Wife	0
Titanic Boondock	0
Lawless Vision	0
Women Dorado	0
Frida Slipper	0

Nations Ranked by Rental Revenue:

India	6034.78
China	5251.03
United States	3685.31
Japan	3122.51
Mexico	2984.82
Brazil	2919.19
Russian Federation	2765.62

Philippines	2219.7
Turkey	1498.49
Indonesia	1352.69

Bottom 10:

American Samoa	47.85
Lithuania	63.78
Saint Vincent and the Grenadine	64.82
Tonga	64.84
Afghanistan	67.82
Tunisia	73.78
Finland	78.79
Slovakia	80.77
New Zealand	85.77
Ethiopia	91.77



Corresponding Queries:

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Film/Numeric:

```
SELECT MIN(release_year) AS min_release_year,  
        MAX(release_year) AS max_release_year,  
        AVG(release_year) AS avg_release_year  
FROM film
```

```
SELECT MIN(rental_duration),  
        MAX(rental_duration),  
        AVG(rental_duration)  
FROM film
```

Etc.

Film/Non-numeric:

```
SELECT MODE() WITHIN GROUP (ORDER BY [non-numeric category])  
        AS modal_value  
FROM film
```

Etc.

Actor/Non-numeric:

```
SELECT MODE() WITHIN GROUP (ORDER BY first_name)  
        AS "first name mode",  
        MODE() WITHIN GROUP (ORDER BY last_name)  
        AS "last name mode"  
FROM actor
```

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```
SELECT D.Country,  
        COUNT(customer_id) AS customer_count  
FROM customer A  
INNER JOIN address B ON A.address_id = B.address_id  
INNER JOIN city C ON B.city_id = C.city_id  
INNER JOIN country D ON C.country_id = D.country_id  
GROUP BY country  
ORDER BY count(customer_id) DESC  
LIMIT 10
```



```

                                'Russian Federation',
                                'Philippines',
                                'Turkey',
                                'Indonesia')
AND city IN ('Aurora',
            'Atlixco',
            'Xintai',
            'Adoni',
            'Dhule (Dhulia)'
            'Kurashiki'
            'Pingxiang'
            'Sivas'
            'Celaya'
            'So Leopoldo')
GROUP BY A.customer_id,
        first_name,
        last_name,
        city,
        country
ORDER BY SUM(E.amount)DESC
LIMIT 5

```

Most/Least profitable movies:

```

SELECT A.title,
       A.release_year,
       SUM(D.amount) AS rental_revenue
FROM film A
INNER JOIN inventory B ON A.film_id = B.film_id
INNER JOIN rental C ON B.inventory_id = C.inventory_id
INNER JOIN payment D ON C.rental_id = D.rental_id
GROUP BY A.film_id,
        A.title,
        A.release_year,
        D.amount
ORDER BY rental_revenue DESC -- ASC for least profitable
LIMIT 10

```

Query to get Nations ranked by rental revenue:

```

SELECT      D.country,
            SUM(E.amount) AS country_total_rental
FROM payment E
RIGHT JOIN customer A ON E.customer_id = A.customer_id

```



```
INNER JOIN address B ON A.address_id = B.address_id
INNER JOIN city C ON B.city_id = C.city_id
INNER JOIN country D ON C.country_id = D.country_id
GROUP BY D.country
ORDER BY SUM(E.amount) DESC -- could get least ranked with ASC here too
LIMIT 10
```