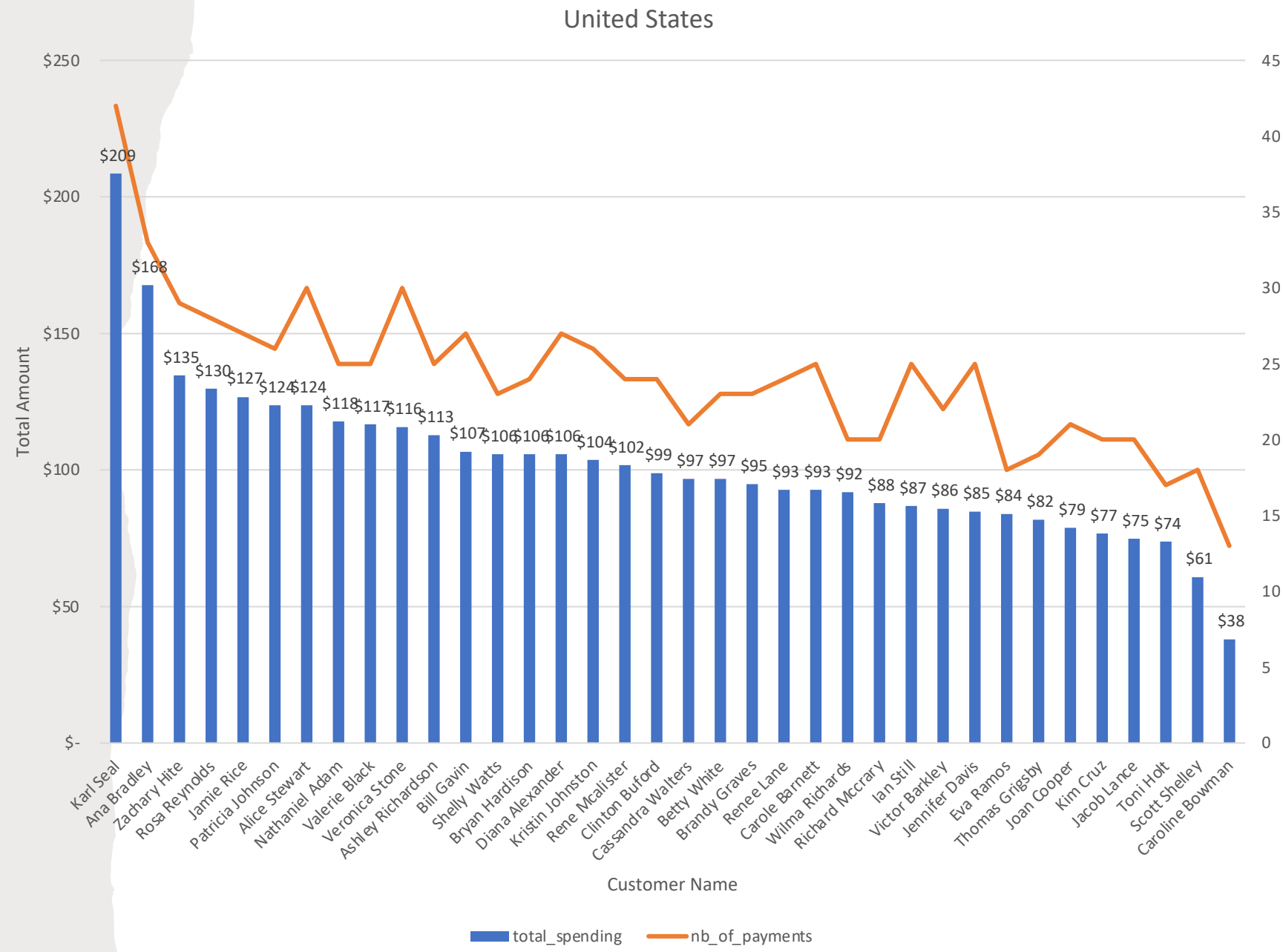**Question:** Write a query to find the name (first_name, last_name), country name, total spending and nb of rentals for customers who are united states citizens

Analysis: As it is shown in the chart there are 36 customers from US and the highest amount is above 200 dollars and the lowest is less than 50 dollars where the most number of rent outs is near 50 and the lowest is less than 20
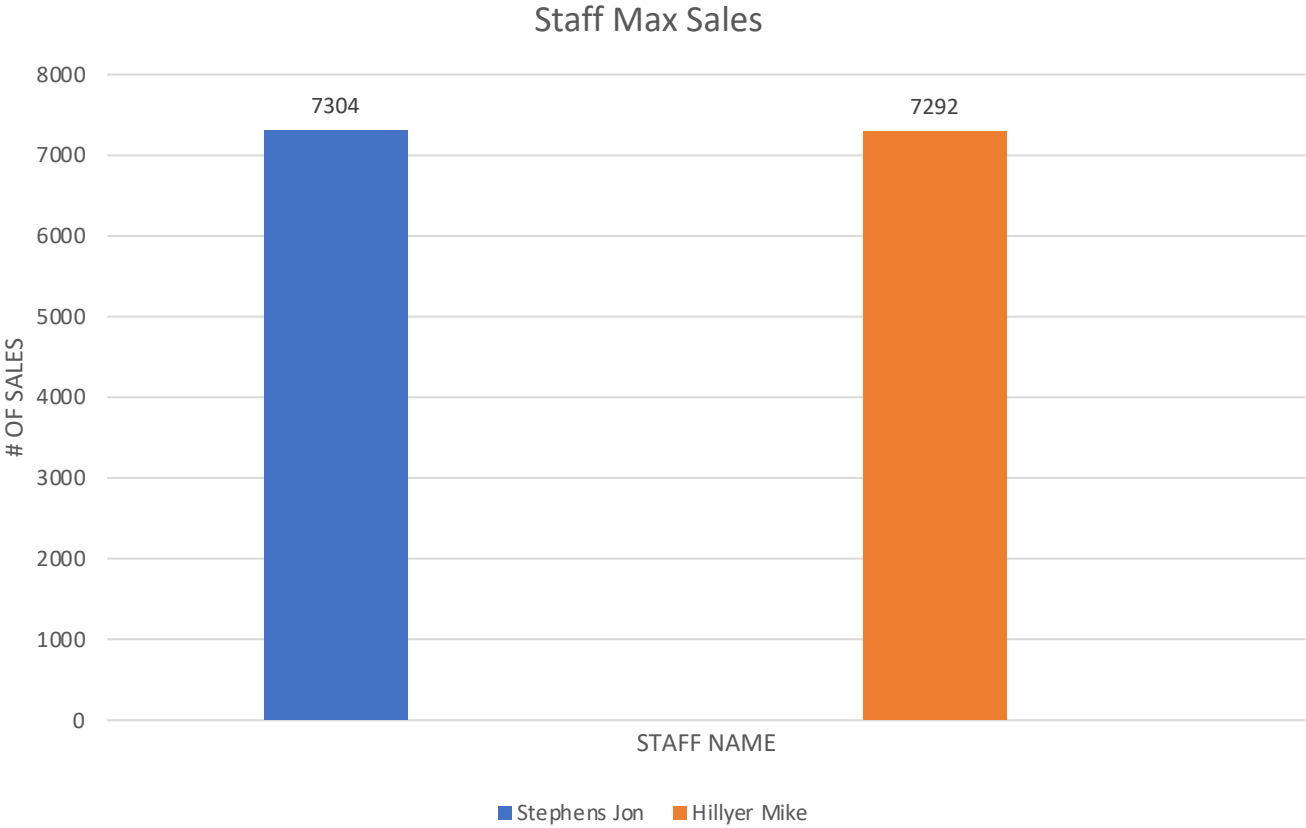

United States

Karl Seal $209, Ana Bradley $168, Zachary Hite $135, Rosa Reynolds $130, Jamie Rice $127, Patricia Johnson $124, Alice Stewart $124, Nathaniel Adam $118, Valerie Black $117, Veronica Stone $116, Ashley Richardson $113, Bill Gavin $107, Shelly Watts $106, Bryan Hardison $106, Diana Alexander $106, Kristin Johnston $104, Rene Mcalister $102, Clinton Buford $99, Cassandra Walters $97, Betty White $97, Brandy Graves $95, Renee Lane $93, Carole Barnett $93, Wilma Richards $92, Richard Mccrary $88, Ian Still $87, Victor Barkley $86, Jennifer Davis $85, Eva Ramos $84, Thomas Grigsby $82, Joan Cooper $79, Kim Cruz $77, Jacob Lance $75, Toni Holt $74, Scott Shelley $61, Caroline Bowman $38

Legend: total_spending, nb_of_payments

Question: 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.

Analysis: As we can see from the table that the peak was during month of July in 2007 and the reason behind that could be summer vacation.

store_id	rental_year	rental_month	nb_of_rentals
2	2005	7	3366
1	2005	7	3347
2	2005	8	2851
1	2005	8	2835
1	2005	6	1015
2	2005	6	1000
1	2006	2	95
2	2006	2	87

Question: Write a query that displays the (last name, first name) of the staff and count the number of sales.

Analysis: As it is indicated from the chart that Stephen had made more sales than Hillyer

Question: provide a table with the family-friendly film category, each of the quartiles, and the corresponding count of movies within each combination of film category for each corresponding rental duration category

Analysis: This helps us to visualize the count of movies with each combination of film category and how it is indirectly related to the rental duration.

Film Category Combination