**Sakila Qlik Sense SQL Server**

Question1:

List film categories with total rental amount, average rental amount, number of customers - tabular & sql query

select ca.name, sum(p.amount) as TotalRentalAmount, avg(p.amount) as AverageRentalAmount,

count(p.customer\_id) as CustomerCount

from payment p

inner join rental r on p.rental\_id=r.rental\_id

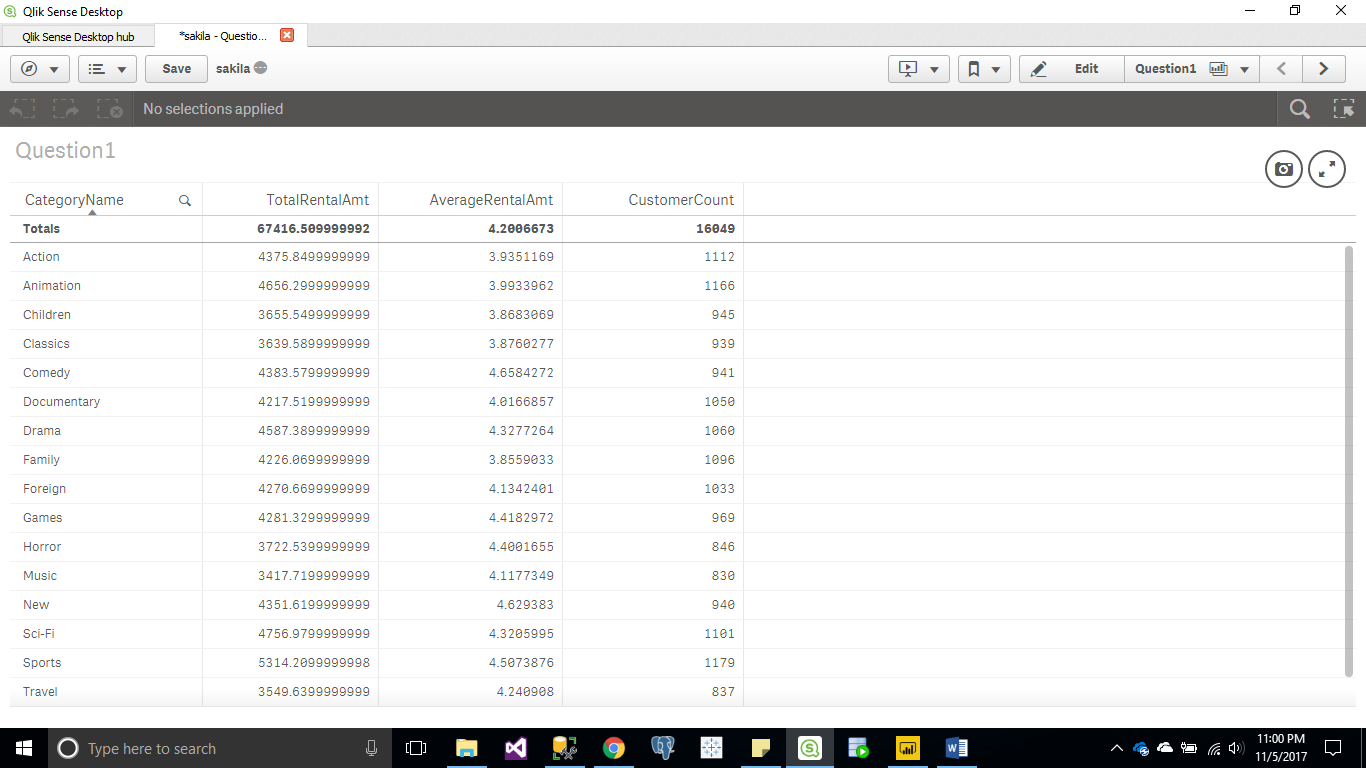
inner join inventory i on i.inventory\_id=r.inventory\_id

inner join film f on i.film\_id=f.film\_id

inner join film\_category fc on f.film\_id=fc.film\_id

inner join category ca on fc.category\_id=ca.category\_id

group by ca.name order by TotalRentalAmount desc



Question2:

List Customers (Last name, First Name) with rental amount, rental quantity, active status, country and city who are from Poland – tabular & sql query

select CONCAT(cu.last\_name,',',cu.first\_name) as customerName, sum(p.amount) as RentalAmount,

count(p.rental\_id) as RentalQuantity, cu.active as activeStatus, co.country, ci.city

from payment p

inner join customer cu on p.customer\_id=cu.customer\_id

inner join address ad on cu.address\_id=ad.address\_id

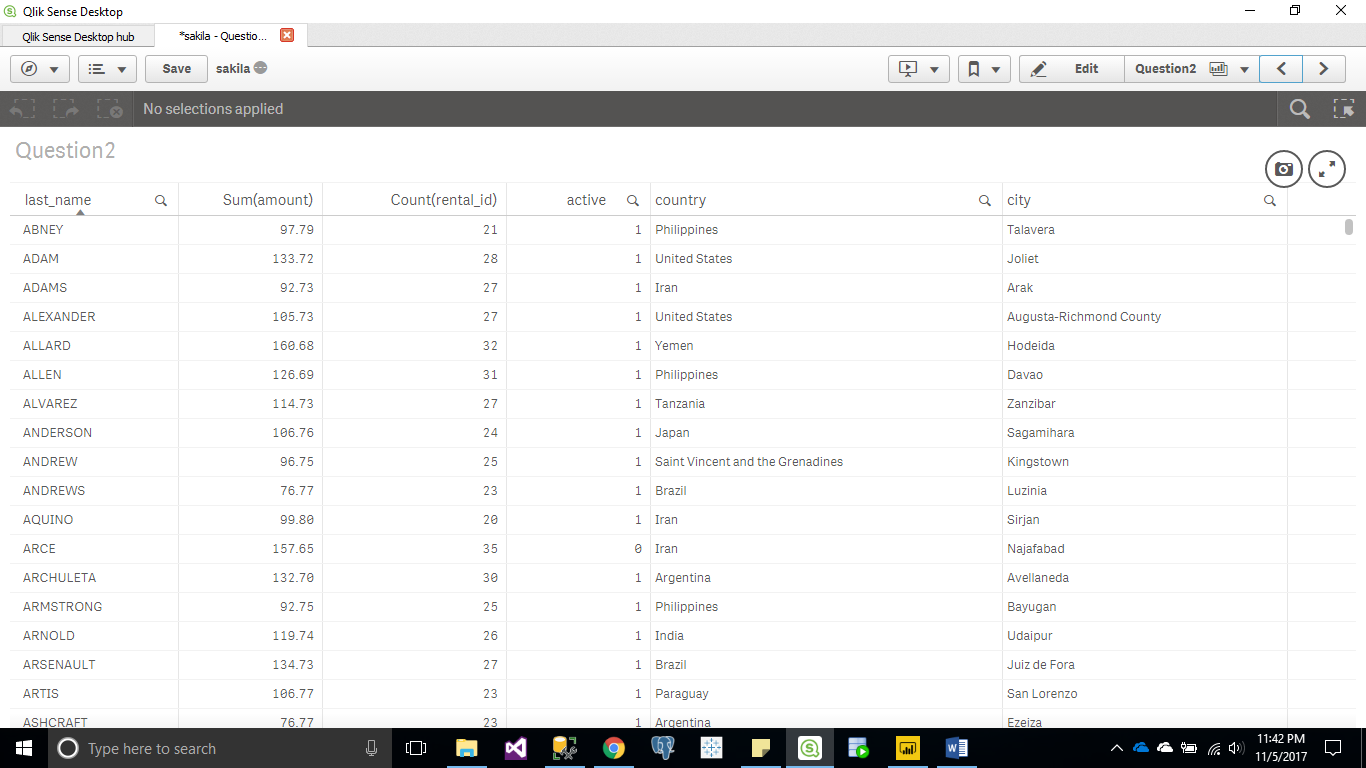
inner join city ci on ad.city\_id=ci.city\_id

inner join Country co on ci.country\_id=co.country\_id

where co.country='Poland'

group by CONCAT(cu.last\_name,',',cu.first\_name), co.country, ci.city,cu.active

order by RentalAmount desc;



Question3:

List top 10 Films by rental amount (ranked) with replacement cost greater than $25 – bar chart & sql query

select Top 10 f.title, sum(p.amount) as RentalAmount,

Dense\_Rank() over(order by sum(p.amount) desc) as FilmRank

from payment p

inner join rental r on p.rental\_id=r.rental\_id

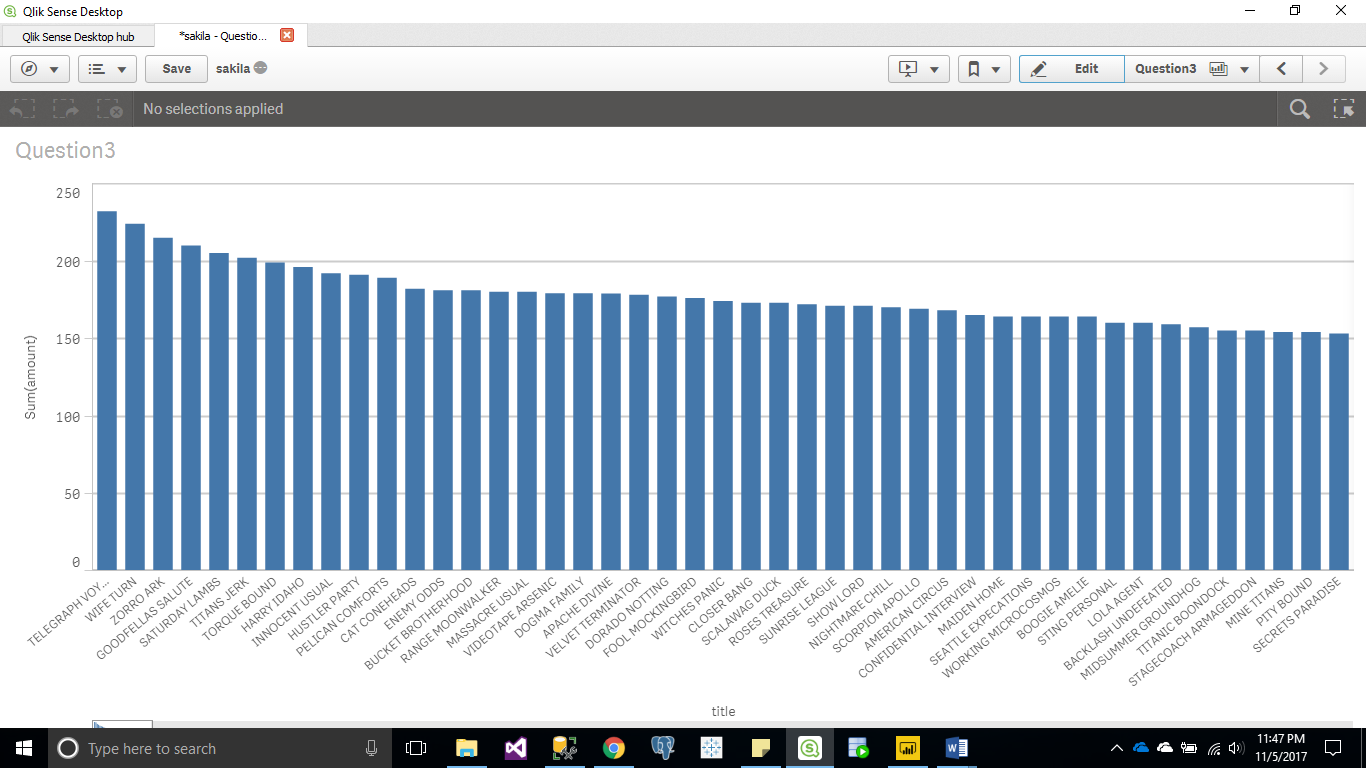
inner join inventory i on i.inventory\_id=r.inventory\_id

inner join film f on i.film\_id=f.film\_id

inner join film\_category fc on f.film\_id=fc.film\_id

where f.replacement\_cost > 25

group by f.title;



Question3:

Top 10 cities by rental amount – bar chart & sql query

select Top 10 ci.city, sum(p.amount) as RentalAmount

from payment p

inner join customer cu on p.customer\_id=cu.customer\_id

inner join address ad on cu.address\_id=ad.address\_id

inner join city ci on ad.city\_id=ci.city\_id

group by ci.city order by RentalAmount desc

