**Dax queries**

1. cd\_not\_returned = COUNTX('sakila rental','sakila rental'[has\_not\_retuened0]=0)
2. full name = CONCATENATE('sakila actor'[first\_name], CONCATENATE(" ", 'sakila actor'[last\_name]))
3. has\_not\_retuened0 = IF('sakila rental'[return\_date]=BLANK(), 0,1)
4. total payment = (('sakila film'[rental\_rate]\*'sakila film'[rental\_duration])+ 'sakila film'[replacement\_cost])
5. Measure = COUNTBLANK('sakila rental'[return\_date])
6. special feature Count = LEN('sakila film'[special\_features])-LEN(SUBSTITUTE('sakila film'[special\_features],",",""))+1
7. total actor number = DISTINCTCOUNT('sakila actor\_info'[actor\_id])
8. rating\_full = SWITCH('sakila film'[rating] , "R" , "Restricted under 13" , "G", "All age" , "PG" , "Parental guidence suggested" , "PG-13", "Not for under 13" , "NC-17" , "NO one under 17")
9. rented\_year = 'sakila rental'[rental\_date].[Year]
10. avg\_length\_of\_movie = AVERAGE('sakila film'[length] )
11. length catagory = SWITCH( TRUE() , 'sakila film'[length] >30 && 'sakila film'[length] <60 , "40-60 min" ,'sakila film'[length] >=60 && 'sakila film'[length] <90 , "60-90 min" , 'sakila film'[length] >=90 && 'sakila film'[length] <120 , "90-120 min", 'sakila film'[length] >=120 && 'sakila film'[length] <150 , "120-150 min" ,'sakila film'[length] >=150 && 'sakila film'[length] <200, "150-200 min" )
12. month\_rent = Format('sakila rental'[rental\_date].[Month],"MMM")
13. active customer = CALCULATE(COUNTA('sakila customer\_list'[ID]), FILTER(ALL('sakila customer\_list'[notes]), 'sakila customer\_list'[notes]="active"))
14. total\_sales in 2 years = SUM('sakila sales\_by\_store'[total\_sales])
15. store1\_stock\_film = COUNTROWS(FILTER('sakila inventory', 'sakila inventory'[store\_id]=1))
16. store2\_stock\_film = CALCULATE(DISTINCTCOUNT('sakila inventory'[film\_id]),FILTER('sakila inventory','sakila inventory'[store\_id]=2))
17. total movie in stock = DISTINCTCOUNT('sakila inventory'[film\_id])
18. Formed new table with sql query then imported it:

select count(r.rental\_id ) as rent\_number, cm.name , avg(f.rental\_rate) as avg\_rate

from sakila.rental r

left join sakila.inventory i

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

left join sakila.film f

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

left join sakila.film\_category c

on f.film\_id = c.film\_id

left join sakila.category cm

on c.category\_id= cm.category\_id

group by cm.name;

1. Created new table with this query and imported it into powerbi

select r.customer\_id , i.inventory\_id, f.film\_id, r.staff\_id, i.store\_id , r.rental\_date

from sakila.rental r

left join sakila.inventory i

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

left join sakila.film f

on i.film\_id = f.film\_id;

1. Created new table with this query and imported it into powerbi

select a.address\_id , co.country, co.country\_id, c.city , c.city\_id

from sakila.address a

left join sakila.city c

on a.city\_id = c.city\_id

left join sakila.country co

on c.country\_id= co.country\_id

1. Created new table with this query and imported it into powerbi

select a.first\_name , a.actor\_id , fa.film\_id, i.inventory\_id , r.rental\_id , r.customer\_id

from sakila.rental r

left join sakila.inventory i

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

left join sakila.film\_actor fa

on i.film\_id = fa.film\_id

left join sakila.actor a

on fa.actor\_id = a.actor\_id

1. this query is directly imported into powerbi

select f.film\_id, f.title, i.store\_id

from sakila.film\_text f

left join sakila.inventory i

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

where isnull(i.store\_id)

Power query editor

