

Universidad Latina de Costa Rica

Análisis Multidimensional de Datos

Tarea 1: Sakila

Profesor:

Héctor Fernández Méndez

Alumnos:

Carolina Alvarado Barquero – 20190112138

Alexandra Segura Ruiz – 20180131150

Ariana Ye Zheng – 20190111492

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Dimensión de Customer:

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application, table

Description automatically generated

Dimensión Film\_Inventory:

Table

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Table, Excel

Description automatically generated

Fact de Rental:

Graphical user interface, application, table

Description automatically generated

Application

Description automatically generated with medium confidence

Fact de Payment:

Graphical user interface, table

Description automatically generated

Graphical user interface, text

Description automatically generated

Consultas:

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| --- |
| --------------------- dim customer ---------------------  use sakila  select \* from customer  select c.customer\_id as CustomerID, c.store\_id as StoreID, sta.address\_id as StaffAddressID,  c.first\_name + ' ' + c.last\_name as SingleFirstNameLastName,  c.active as Active, ad.district as District, ci.city as City, co.country as Country, c.create\_date as CreateDate,  c.last\_update as LastUpdate  --into DWSakila.dbo.DimCustomer  from sakila.dbo.customer c  inner join sakila.dbo.address ad  on c.address\_id = ad.address\_id  inner join sakila.dbo.city ci  on ad.city\_id = ci.city\_id  inner join sakila.dbo.country co  on co.country\_id = ci.country\_id  inner join sakila.dbo.store sto  on sto.store\_id = c.store\_id  inner join sakila.dbo.staff sta  on sta.store\_id = sto.store\_id  group by  c.customer\_id, c.store\_id, sta.address\_id, c.first\_name + ' ' + c.last\_name  , c.active, ad.district, ci.city, co.country, c.create\_date, c.last\_update |
| --------------------- dim film\_inventory ---------------------  use sakila  select \* from film  select f.film\_id as FilmID, count(i.inventory\_id) as InventoryID, f.title as MovieTitle, a.first\_name + ' ' + a.last\_name as ActorName,  ca.name as Category, la.name as Language,  f.rental\_duration as RentalDuration, f.rental\_rate as RentalRate, f.replacement\_cost as ReplacementCost, f.length as Length,  f.rating as Rating, f.release\_year as ReleaseYear, f.last\_update as LastUpdate,  CASE WHEN f.rental\_duration between 0 and 4 then 'ESTRATO 1'  WHEN f.rental\_duration > 4 then 'ESTRATO 2' end as EstratoRentalDuration,  CASE WHEN f.rental\_rate between 0.00 and 3.00 then 'ESTRATO 1'  WHEN f.rental\_rate > 3.00 then 'ESTRATO 2' end as EstratoRentalRate  --into DWSakila.dbo.DimFilm  from sakila.dbo.film f  inner join sakila.dbo.film\_category fc  on fc.film\_id = f.film\_id  inner join sakila.dbo.category ca  on ca.category\_id = fc.category\_id  inner join sakila.dbo.language la  on la.language\_id = f.language\_id  inner join sakila.dbo.film\_actor fa  on fa.film\_id = f.film\_id  inner join sakila.dbo.actor a  on a.actor\_id = fa.actor\_id  inner join sakila.dbo.inventory i  on f.film\_id = i.film\_id  group by f.film\_id, f.title, ca.name, la.name, a.first\_name + ' ' + a.last\_name, f.rental\_duration, f.rental\_rate,  f.replacement\_cost, f.length, f.rating, f.release\_year, f.last\_update  order by f.film\_id |
| --------------------- fact rental ---------------------  use sakila  select \* from rental  select r.rental\_id as RentalID, c.first\_name + ' ' + c.last\_name as SingleFirstNameLastName,  r.rental\_date as RentalDate, r.return\_date as ReturnDate, r.last\_update as LastUpdate  --into DWSakila.dbo.FactRental  from sakila.dbo.rental r  inner join sakila.dbo.customer c  on c.customer\_id = r.customer\_id |
| --------------------- fact payment ---------------------  use sakila  select \* from payment  select p.payment\_id as PaymentID, c.first\_name + ' ' + c.last\_name as SingleFirstNameLastName,  p.amount as Amount,  CASE WHEN p.amount between 0.00 and 4.00 then 'ESTRATO 1'  WHEN p.amount between 4.01 and 8.00 then 'ESTRATO 2'  WHEN p.amount > 8.01 then 'ESTRATO 3' end as EstratoAmount,  p.payment\_date as PaymentDate, p.last\_update as LastUpdate  --into DWSakila.dbo.FactPayment  from sakila.dbo.payment p  inner join sakila.dbo.customer c  on c.customer\_id = p.customer\_id |