Rockbuster Stealth LLC
Data Dictionary

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Rockbuster Stealth LLC

The Rockbuster Stealth dataset consists of 2 fact tables and 13 dimensions

Legend

🔑 **Primary Key**

↗ **Foreign Key**

Entity Relationship Diagram (ERD)

Fact Tables:

Payment			
	Column Name	**Data Type**	**Description**
	payment_id	Serial	unique payment identifier (primary key)
	customer_id	smallint	unique customer identifier
	staff_id	smallint	unique staff identifier
	rental_id	integer	unique rental identifier
	amount	numeric (5,2)	indicates payment received
	payment_date	Timestamp (6) without time zone	date payment received

Links to:	
Table Name	**Join**
Rental	payment.rental_id = rental.rental_id
Staff	payment.staff_id= staff.staff_id
customer	payment.customer_id

Rental			
	Column Name	**Data Type**	**Description**
	rental_id	serial	unique rental identifier (primary key)
	rental_date	Timestamp (6) without time zone	date and time of rental
	inventory_id	integer	unique inventory item identifier
	customer_id	smallint	unique customer identifier
	return_date	Timestamp(6) without time zone	date and time of rental return
	staff_id	smallint	unique staff identifier
	last_update	Timestamp(6) without time zone	time and date of last update

Dimension Tables:

Film Category			
	Column Name	**Data Type**	**Description**
	film_id	smallint	unique identifier of film (primary key)
	category_id	smallint	Indicates category of film (foreign key)
	last_update	Timestamp(6) without time zone	time and date of last update

Links to:	
Table Name	**Join**
category	film_category.category_id = category.category_id
film	film_category.film_id = film.film_id

Customer			
	Column Name	**Data Type**	**Description**
	customer_id	serial	unique customer identifier (primary key)
	store_id	smallint	unique store identifier
	first_name	character varying(45)	first name of customer
	last_name	character varying(45)	last name of customer
	email	character varying(45)	email address of customer
	address_id	smallint	unique identifier of physical address
	activebool	boolean	Indicates whether the customer is active
	create_date	date	indicates date customer profile was created
	last_update	Timestamp(6) without time zone	time and date of last update
	active	integer	active status of customer; 1- active, and 0- not active

Staff			
	Column Name	**Data Type**	**Description**
	staff_id	serial	unique staff identifier (primary key)
	first_name	character varying(45)	first name of staff member
	last_name	character varying(45)	last name of staff member
	address_id	smallint	unique identifier of staff member's physical address
	email	character varying(50)	email address of staff member
	store_id	smallint	unique store identifier of staff member
	active	boolean	active status of staff member; 1- active, and 0- not active
	username	character varying(16)	unique customer username identifier
	password	character varying(40)	unique customer password identifier
	last_update	Timestamp(6) without time zone	time and date of last update
	picture	BYTEA	picture of staff member

Address		
Column Name	**Data Type**	**Description**
address_id	serial	unique identifier of physical address (primary key)
address	character varying(50)	physical address
address2	character varying(50)	alternate/ additional address
district	character varying(20)	indicates address district
city_id	smallint	name of the city
postal_code	character varying(10)	postal code of address
phone	character varying(20)	phone number associated with address
last_update	Timestamp(6) without time zone	time and date of last update

City		
Column Name	**Data Type**	**Description**
city_id	serial	unique identifier for name of city (primary key)
city	character varying(50)	name of the city
country_id	smallint	unique identifier for name of country
last_update	Timestamp(6) without time zone	time and date of last update

Country

Column Name	Data Type	Description
country_id	serial	unique identifier for name of country (primary key)
country	character varying(50)	name of country
last_update	Timestamp(6) without time zone	time and date of last update

Category

Column Name	Data Type	Description
category_id	serial	Indicates category of film (primary key)
name	character varying(25)	Indicates name of category of film
last_update	Timestamp(6) without time zone	time and date of last update

Film

Column Name	Data Type	Description
film_id	serial	unique identifier of film (primary key)
title	character varying(25)	title of film
description	text	description of film
release_yr	year	year film was released
language_id	smallint	unique identifier of film language
rental_duration	smallint	indicates rental time length
rental_rate	numeric(4,2)	indicates the rental rating
length	smallint	time length of film in minutes
replacement_cost	numeric(5,2)	cost to replace film
rating	mpaa rating	indicates film rating category (G, M, PG, R, X)
last_update	Timestamp(6) without time zone	time and date of last update
special_features	text[]	indicates whether film includes special features
fulltext	tsvector	indicates film index (used for searching films)

Inventory

Column Name	Data Type	Description
inventory_id	serial	unique inventory identifier (primary key)
film_id	smallint	unique film identifier
store_id	smallint	unique store identifier
last_update	Timestamp(6) without time zone	time and date of last update

Film Actor

Column Name	Data Type	Description
actor_id	smallint	unique actor identifier (primary key)
film_id	smallint	unique film identifier (foreign key)
last_update	Timestamp(6) without time zone	time and date of last update

Actor

Column Name	Data Type	Description
actor_id	serial	unique actor identifier (primary key)
first_name	character varying(45)	first name of actor
last_name	character varying(45)	last name of actor
last_update	Timestamp(6) without time zone	time and date of last update

Language

Column Name	Data Type	Description
language_id	serial	unique language identifier (primary key)
name	character(20)	name of language
last_update	Timestamp(6) without time zone	time and date of last update

Store

Column Name	Data Type	Description
store_id	serial	unique store identifier (primary key)
manager_staff_id	smallint	unique manager staff identifier

address_id	smallint	unique address identifier
last_update	Timestamp(6) without time zone	time and date of last update

Step 4

Now that your data dictionary and ERD are ready to use, your manager has given you a list of business questions to answer. Use your data dictionary to figure out which tables you'd need to answer the questions below:

1. **Which actors brought Rockbuster the most revenue?**

   Film/ Inventory/ Actor/ Rental/ Payment

2. **What language are the majority of movies in the collection?**

   Inventory/ Language/ Film