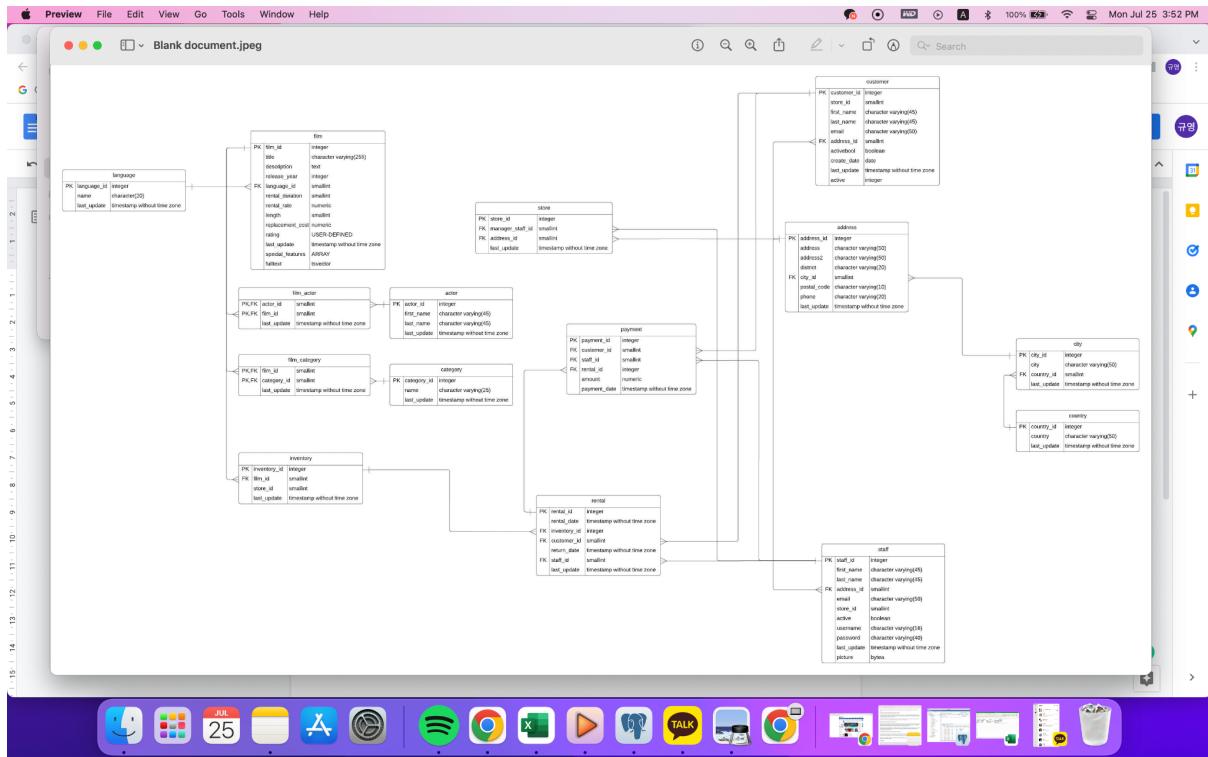


Answers 3.2



Does the Rockbuster database have a snowflake schema or a star schema?

-It is more like Snowflakes. The fact table is centralized and connected to several dimension tables.

Fact Table

A screenshot of a Microsoft Excel spreadsheet titled "data-1658783170724". The spreadsheet contains four columns: Column Name, Data Type, and Description. The data is as follows:

B	C	D	E	F	G	H	I
1	Column Name	Data Type	Description				
18	store_id	integer	Number of assigned to store				
35	address_id	smallint	Number of assigned to store address				
36	manager_staff_id	smallint	Number assigned to store manager				
39	last_update	timestamp without time zone	Date entry was last updated				
92							
93							
94							
95							
96							
97							
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							

Dimension Tables

A screenshot of a Microsoft Excel spreadsheet titled "data-1658783170724". The spreadsheet contains four columns: Column Name, Data Type, and Description. The data is as follows:

B	C	D	E	F	G	H	I
1	Column Name	Data Type	Description				
13	inventory_id	integer	Number assigned to an item				
27	film_id	smallint	Number assigned to film				
43	store_id	smallint	Number of assigned to store				
48	last_update	timestamp without time zone	Date entry was last updated				
92							
93							
94							
95							
96							
97							
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							

Screenshot of Microsoft Excel showing a table of film metadata. The table has columns for Column Name, Data Type, and Description. Rows include film_id (smallint), category_id (smallint), and last_update (timestamp without time zone).

	B	C	D	E	F	G	H
1	Column Name	Data Type	Description				
10	film_id	smallint	Number assigned to film				
11	category_id	smallint	Number assigned to genre				
79	last_update	timestamp without time zone	Date entry was last updated				
92							
93							
94							
95							
96							
97							
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							
108							

Screenshot of Microsoft Excel showing a table of customer metadata. The table has columns for Column Name, Data Type, and Description. Rows include customer_id (integer), address_id (smallint), store_id (smallint), email (character varying), first_name (character varying), activebool (boolean), active (integer), last_name (character varying), and create_date (date).

	B	C	D	E	F	G	H
1	Column Name	Data Type	Description				
7	customer_id	integer	Number assigned to customer				
19	address_id	smallint	Number assigned to customer's address				
38	store_id	smallint	Number assigned to store				
44	email	character varying	E mail address of customer				
50	last_update	timestamp without time zone	Date entry was last updated				
66	first_name	character varying	first name of customer				
68	activebool	boolean	How active is customer				
69	active	integer	Is customer active?				
73	last_name	character varying	Last name of customer				
77	create_date	date	Date entry was last created				
92							
93							
94							
95							
96							
97							
98							
99							
100							
101							

This screenshot shows a Microsoft Excel spreadsheet titled "data-1658783170724". The table contains the following data:

	B	C	D	E	F	G	H
1	Column Name	Data Type	Description				
17	staff_id	integer	Number assigned to employee				
34	address_id	smallint	Number assigned to employee's address				
57	active	boolean	Is customer active?				
58	picture	bytea	Picture of employee				
65	last_name	character varying	Last name of employee				
72	first_name	character varying	First name of employee				
78	username	character varying	Username of employee				
80	password	character varying	Password of employee				
82	email	character varying	E mail address of employee				
83	store_id	smallint	Number assigned to store				
85	last_update	timestamp without time zone					
92							
93							
94							
95							
96							
97							
98							
99							
100							

This screenshot shows a Microsoft Excel spreadsheet titled "data-1658783170724". The table contains the following data:

	B	C	D	E	F	G	H
1	Column Name	Data Type	Description				
2	actor_id	integer	Number assigned to actor				
45	last_update	timestamp without time zone	Date entry was last updated				
62	first_name	character varying	first name of actor				
67	last_name	character varying	Last name of actor				
92							
93							
94							
95							
96							
97							
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99							
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Screenshot of Microsoft Excel showing the 'film' table schema. The table has columns: Column Name, Data Type, and Description. Rows include film_id (integer), language_id (smallint), replacement_cost (numeric), rental_duration (smallint), title (character varying), rental_rate (numeric), length (smallint), fulltext (tvector), release_year (integer), last_update (timestamp without time zone), rating (USER-DEFINED), description (text), and special_features (ARRAY). The window is titled 'data-1658783170724'.

	B	C	D	E	F	G	H
1	Column Name	Data Type	Description				
12	film_id	integer	Number assigned to film				
24	language_id	smallint	Number assigned to language of film				
49	replacement_cost	numeric	Cost to replace film				
53	rental_duration	smallint	Length of film rental				
63	title	character varying	Title of film				
71	rental_rate	numeric	Price of film rental				
74	length	smallint	Length of film				
75	fulltext	tvector	Keywords associated with film				
76	release_year	integer	Release year of film				
81	last_update	timestamp without time zone	Date entry was last updated				
84	rating	USER-DEFINED	Film rating				
87	description	text	Description of film				
91	special_features	ARRAY	Special feature included in film				
92							
93							
94							
95							
96							
97							
98							

Screenshot of Microsoft Excel showing the 'category' table schema. The table has columns: Column Name, Data Type, and Description. Rows include category_id (integer), name (character varying), and last_update (timestamp without time zone). The window is titled 'data-1658783170724'.

	B	C	D	E	F	G	H
1	Column Name	Data Type	Description				
4	category_id	integer	Number assigned to genre				
47	name	character varying	Name of genre				
52	last_update	timestamp without time zone	Date entry was last updated				
92							
93							
94							
95							
96							
97							
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Screenshot of Microsoft Excel showing a table of address data. The table has columns for Column Name, Data Type, and Description. The data includes address_id (integer), city_id (smallint), district (character varying), postal_code (character varying), address2 (character varying), last_update (timestamp without time zone), phone (character varying), and address (character varying). The table is titled 'data-1658783170724'.

B	C	D	E	F	G	H
Column Name	Data Type	Description				
1 address_id	integer	Number assigned to address				
25 city_id	smallint	Number assigned to city				
37 district	character varying	District				
40 postal_code	character varying	Postal code				
54 address2	character varying	Supplemental street address				
59 last_update	timestamp without time zone	Date entry was last updated				
61 phone	character varying	Phone number				
70 address	character varying	Street address				
92						
93						
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103						

Screenshot of Microsoft Excel showing a table of language data. The table has columns for Column Name, Data Type, and Description. The data includes language_id (integer), name (character), and last_update (timestamp without time zone). The table is titled 'data-1658783170724'.

B	C	D	E	F	G	H
Column Name	Data Type	Description				
14 language_id	integer	Number assigned to language				
51 name	character	Name of language				
60 last_update	timestamp without time zone	Date entry was last updated				
92						
93						
94						
95						
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97						
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99						
100						
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103						
104						
105						
106						
107						
108						

A screenshot of a Microsoft Excel window titled "data-1658783170724". The table has three columns: Column Name, Data Type, and Description. The data includes:

Column Name	Data Type	Description
city_id	integer	Number assigned to city
country_id	smallint	Number assigned to country
last_update	timestamp without time zone	Date entry was last updated
city	character varying	Name of city

The Excel interface shows various toolbars and a ribbon menu at the top. The status bar indicates "Mon Jul 25 3:42 PM". A sidebar on the left lists recent files and locations. A vertical scroll bar on the right shows rows 92 through 107.

A screenshot of a Microsoft Excel window titled "data-1658783170724". The table has three columns: Column Name, Data Type, and Description. The data includes:

Column Name	Data Type	Description
country_id	integer	Number assigned to country
last_update	timestamp without time zone	Date entry was last updated
country	character varying	Name of country

The Excel interface shows various toolbars and a ribbon menu at the top. The status bar indicates "Mon Jul 25 3:43 PM". A sidebar on the left lists recent files and locations. A vertical scroll bar on the right shows rows 92 through 108.

Which actors brought Rockbuster the most revenue?

-To answer the question, actor, film-actor, and film tables are needed.

What language is the majority of movies in the collection?

-to answer the question, language and film tables are needed.