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Batch: 16/July/2020

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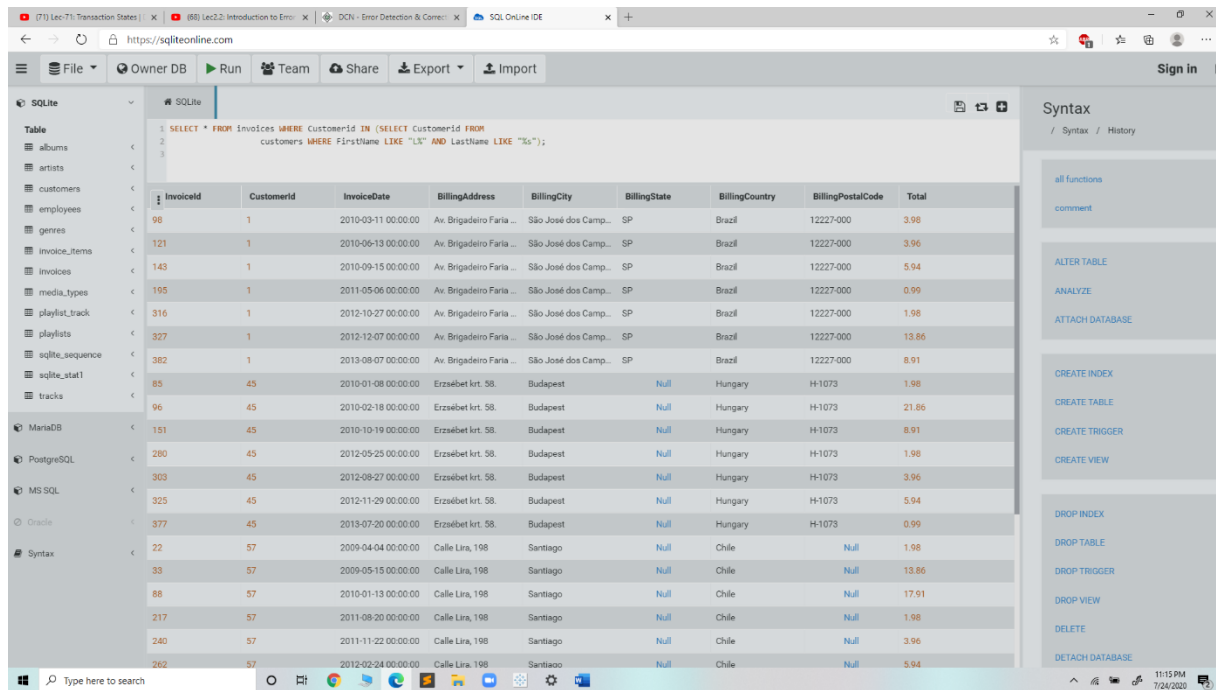
Phone: 9100258430

SQL Project

Database: Chinook

1Q: Find the invoice details of customers whose name start with 'L' and last name end with 'S'?

A: Query- Select * from invoices Where Customerid IN (Select Customerid from customers Where FirstName like "L%" and LastName like "%s");



The screenshot shows a web-based SQL IDE interface. The query editor contains the following SQL query:

```
1 SELECT * FROM invoices WHERE Customerid IN (SELECT Customerid FROM
2 customers WHERE FirstName LIKE "L%" AND LastName LIKE "%s");
```

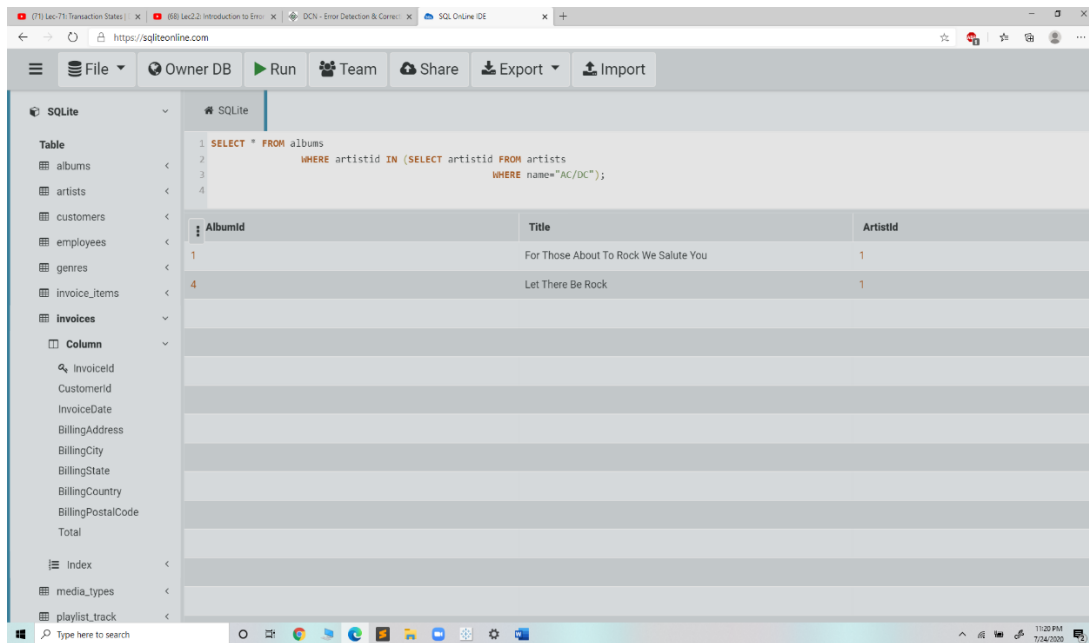
The results pane displays a table with the following columns: InvoiceId, CustomerId, InvoiceDate, BillingAddress, BillingCity, BillingState, BillingCountry, BillingPostalCode, and Total. The table contains 26 rows of data, showing invoices for customers whose first name starts with 'L' and last name ends with 'S'.

InvoiceId	CustomerId	InvoiceDate	BillingAddress	BillingCity	BillingState	BillingCountry	BillingPostalCode	Total
98	1	2010-03-11 00:00:00	Av. Brigadeiro Faria ...	São José dos Camp...	SP	Brazil	12227-000	3.98
121	1	2010-06-13 00:00:00	Av. Brigadeiro Faria ...	São José dos Camp...	SP	Brazil	12227-000	3.96
143	1	2010-09-15 00:00:00	Av. Brigadeiro Faria ...	São José dos Camp...	SP	Brazil	12227-000	5.94
195	1	2011-05-06 00:00:00	Av. Brigadeiro Faria ...	São José dos Camp...	SP	Brazil	12227-000	0.99
316	1	2012-10-27 00:00:00	Av. Brigadeiro Faria ...	São José dos Camp...	SP	Brazil	12227-000	1.98
327	1	2012-12-07 00:00:00	Av. Brigadeiro Faria ...	São José dos Camp...	SP	Brazil	12227-000	13.86
382	1	2013-08-07 00:00:00	Av. Brigadeiro Faria ...	São José dos Camp...	SP	Brazil	12227-000	8.91
85	45	2010-01-08 00:00:00	Erzsébet krt. 58.	Budapest	Null	Hungary	H-1073	1.98
96	45	2010-02-18 00:00:00	Erzsébet krt. 58.	Budapest	Null	Hungary	H-1073	21.86
151	45	2010-10-19 00:00:00	Erzsébet krt. 58.	Budapest	Null	Hungary	H-1073	8.91
280	45	2012-05-25 00:00:00	Erzsébet krt. 58.	Budapest	Null	Hungary	H-1073	1.98
303	45	2012-09-27 00:00:00	Erzsébet krt. 58.	Budapest	Null	Hungary	H-1073	3.96
325	45	2012-11-29 00:00:00	Erzsébet krt. 58.	Budapest	Null	Hungary	H-1073	5.94
377	45	2013-07-20 00:00:00	Erzsébet krt. 58.	Budapest	Null	Hungary	H-1073	0.99
22	57	2009-04-04 00:00:00	Calle Lira, 198	Santiago	Null	Chile	Null	1.98
33	57	2009-05-15 00:00:00	Calle Lira, 198	Santiago	Null	Chile	Null	13.86
88	57	2010-01-13 00:00:00	Calle Lira, 198	Santiago	Null	Chile	Null	17.51
217	57	2011-08-20 00:00:00	Calle Lira, 198	Santiago	Null	Chile	Null	1.98
240	57	2011-11-22 00:00:00	Calle Lira, 198	Santiago	Null	Chile	Null	3.96
262	57	2012-02-24 00:00:00	Calle Lira, 198	Santiago	Null	Chile	Null	5.94

2Q: Find the albums published by artists 'AC/DC'?

A: Query- SELECT * FROM albums

WHERE artistid in (SELECT artistid FROM artists
WHERE name="AC/DC");



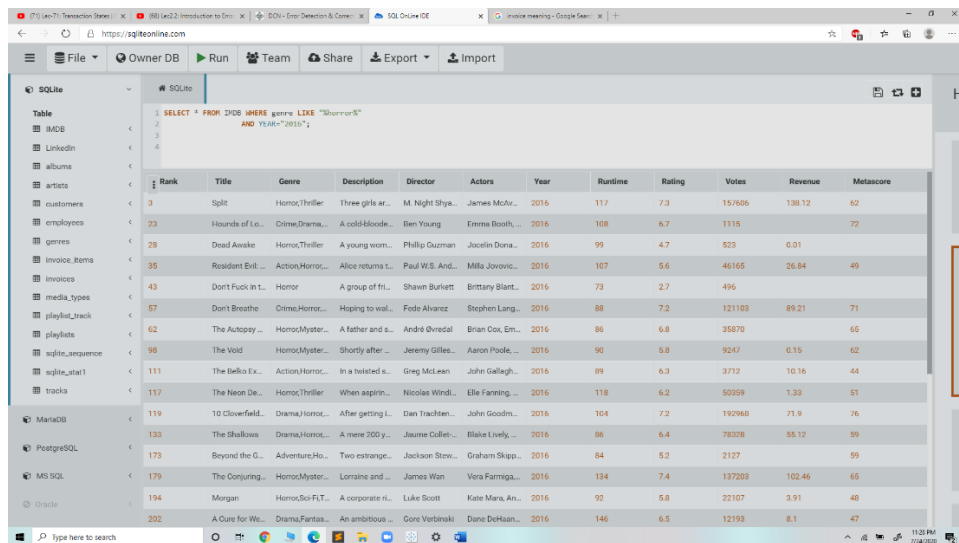
3Q: Find the details of customers along with product item details purchased by him?

A: Query- SELECT invoice_items.InvoiceLineId, customers.CustomerId,
customers.FirstName, customers.LastName, invoice_items.trackid,
invoice_items.quantity, invoice_items.unitprice
FROM customers,invoices,invoice_items
WHERE customers.customerid=invoices.CustomerId
AND invoices.invoiceid=invoice_items.invoiceid;

Database: IMDB

5Q: Find the details of all horror movies in 2016?

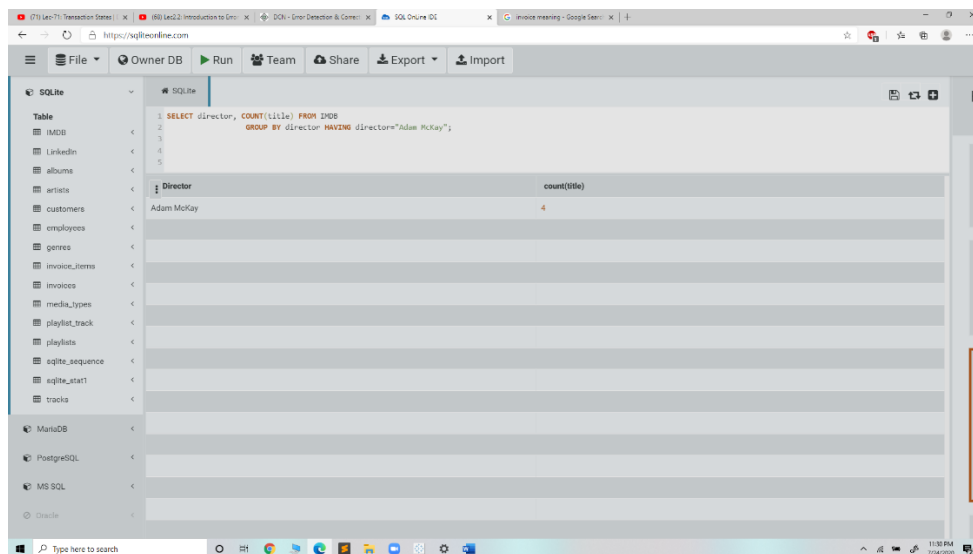
A: Query- `SELECT * FROM IMDB WHERE genre LIKE "%horror%"
AND year="2016";`



Rank	Title	Genre	Description	Director	Actors	Year	Runtime	Rating	Votes	Revenue	Metascore
3	Split	Horror,Thriller	Three girls ar...	M. Night Shya...	James McAv...	2016	117	7.3	15606	138.12	62
23	Hounds of B.	Crime,Drama...	A cold-blooded...	Ben Young	Emma Booth...	2016	108	6.7	1115		72
28	Dead Awake	Horror,Thriller	A young wom...	Phillip Guzman	Jacelin Dona...	2016	99	4.7	523	0.01	
35	Resident Evil...	Action,Horror...	Alice returns t...	Paul W.S. And...	Milla Jovovic...	2016	107	5.6	46165	26.84	49
43	Don't Fuck in L...	Horror	A group of th...	Shawn Burlett	Brittany Blant...	2016	73	2.7	496		
67	Don't Breathe	Crime,Horror...	Hoping to wal...	Fede Alvarez	Stephen Lang...	2016	88	7.2	121103	89.21	71
62	The Autopsy...	Horror,Myster...	A father and s...	André Øvredal	Brian Cox, Em...	2016	86	6.8	35670		66
98	The Void	Horror,Myster...	Shortly after...	Jeremy Gilles...	Aaron Podes...	2016	90	5.8	9247	6.15	62
111	The Belko Ex...	Action,Horror...	In a twisted s...	Greg McLean	John Gallegh...	2016	89	6.3	3712	10.16	44
117	The Neon De...	Horror,Thriller	When aspirin...	Nicolas Windl...	Elle Fanning...	2016	118	6.2	50559	1.23	51
119	10 Cloverfield...	Drama,Horror...	After getting L...	Dan Trachten...	John Goodm...	2016	104	7.2	19268	71.9	76
133	The Shallows	Drama,Horror...	A mere 200 y...	Jaume Collet...	Blake Lively...	2016	86	6.4	78328	55.12	59
173	Beyond the G...	Adventure,Ho...	Two estrange...	Jackson Stew...	Graham Skipp...	2016	84	5.2	2127		59
175	The Conjuring...	Horror,Myster...	Lorraine and ...	James Wan	Vera Farmiga...	2016	134	7.4	137203	102.46	66
194	Morgan	Horror,Sci F...	A corporate ri...	Luke Scott	Kate Mara, An...	2016	92	5.8	22107	3.91	48
202	A Cure for We...	Drama,Fantas...	An ambitious ...	Gore Verbinski	Dane DeHaan...	2016	146	6.5	12193	8.1	47

6Q: Find the number of movies directed by 'Adam McKay'?

A: Query- `SELECT director, count(title) FROM IMDB
GROUP BY director HAVING director="Adam McKay";`

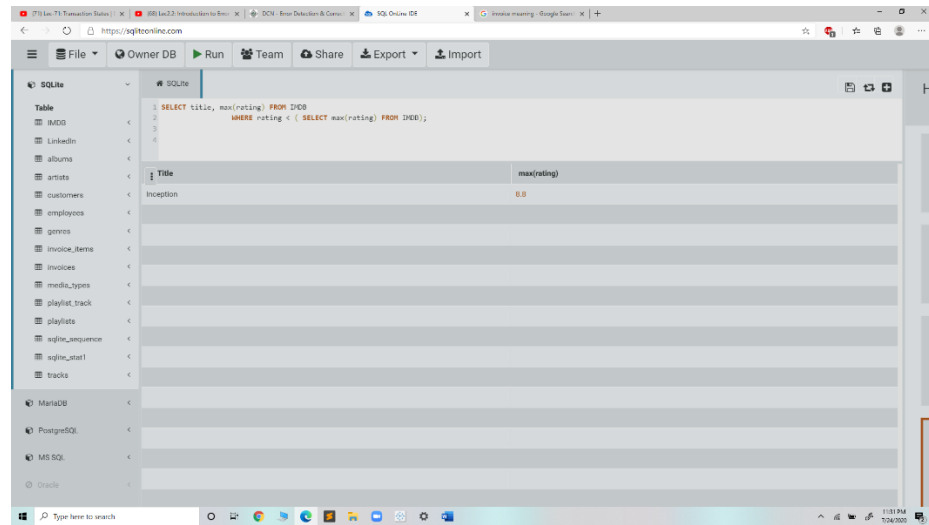


Director	count(title)
Adam McKay	4

7Q: Find the Second highest rated movie?

A: Query- SELECT title, max(rating) FROM IMDB

WHERE rating < (SELECT max(rating) FROM IMDB);



The screenshot shows the SQLite online interface. The query editor contains the following SQL code:

```
1 SELECT title, max(rating) FROM IMDB
2 WHERE rating < ( SELECT max(rating) FROM IMDB);
```

The results table shows the following data:

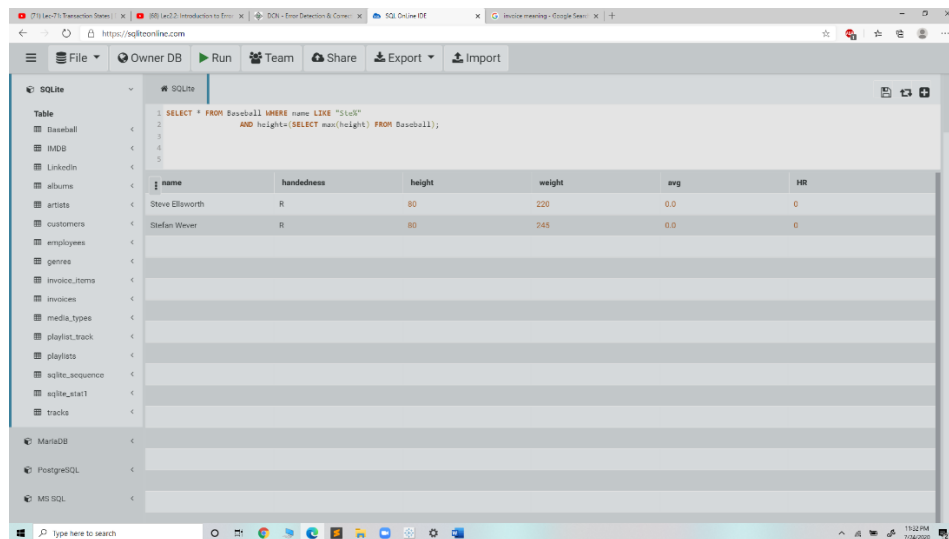
Title	max(rating)
Inception	8.8

Database: Baseball

8Q: Find the details of players whose name start with 'Ste' and are tallest among all players?

A: Query- SELECT * from Baseball WHERE name LIKE "Ste%"

AND height=(SELECT max(height) from Baseball);



The screenshot shows the SQLite online interface. The query editor contains the following SQL code:

```
1 SELECT * FROM Baseball WHERE name LIKE "Ste%"
2 AND height=(SELECT max(height) FROM Baseball);
```

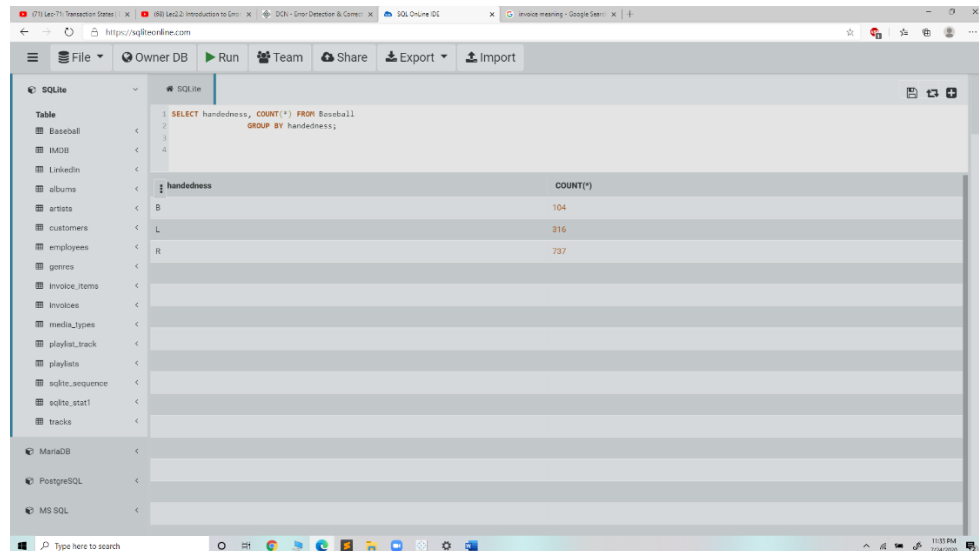
The results table shows the following data:

name	handedness	height	weight	avg	HR
Steve Ellsworth	R	80	220	0.0	0
Stefan Wiener	R	80	245	0.0	0

9Q: Find the number of batsman who are Left-handed, Right-handed and Both?

A: Query- SELECT handedness, COUNT(*) FROM Baseball

GROUP BY handedness;



The screenshot shows the SQL Online IDE interface. The query editor contains the following SQL query:

```
SELECT handedness, COUNT(*) FROM Baseball
GROUP BY handedness;
```

The results table displays the following data:

handedness	COUNT(*)
B	104
L	316
R	737

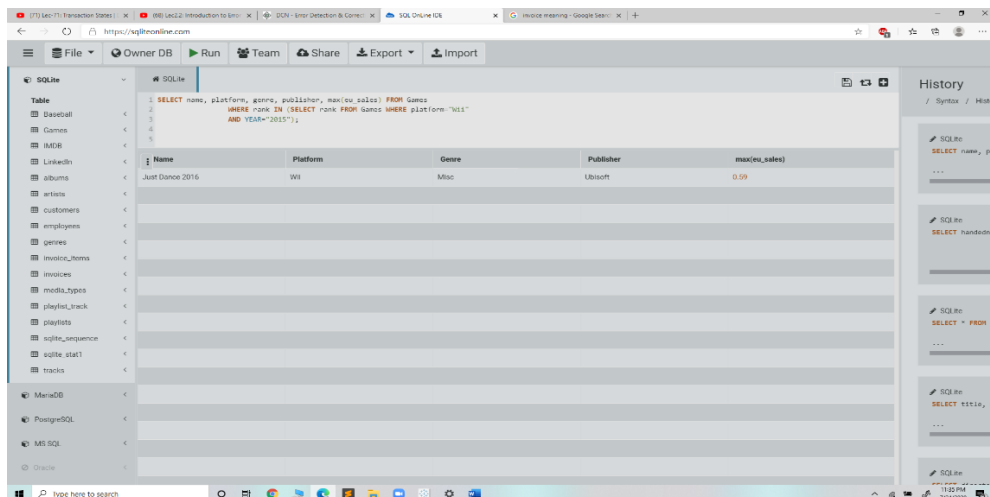
Database: Games [<https://www.kaggle.com/gregorut/videogamesales>]

10Q: Find the details of Games in platform "Wii" of year 2015 whose sales was highest in Europe?

A: Query- SELECT name, platform, genre, publisher, max(eu_sales) FROM Games

WHERE rank in (SELECT rank FROM Games WHERE platform="Wii"

AND year="2015");



The screenshot shows the SQL Online IDE interface. The query editor contains the following SQL query:

```
SELECT name, platform, genre, publisher, max(eu_sales) FROM Games
WHERE rank IN (SELECT rank FROM Games WHERE platform="Wii"
AND YEAR="2015");
```

The results table displays the following data:

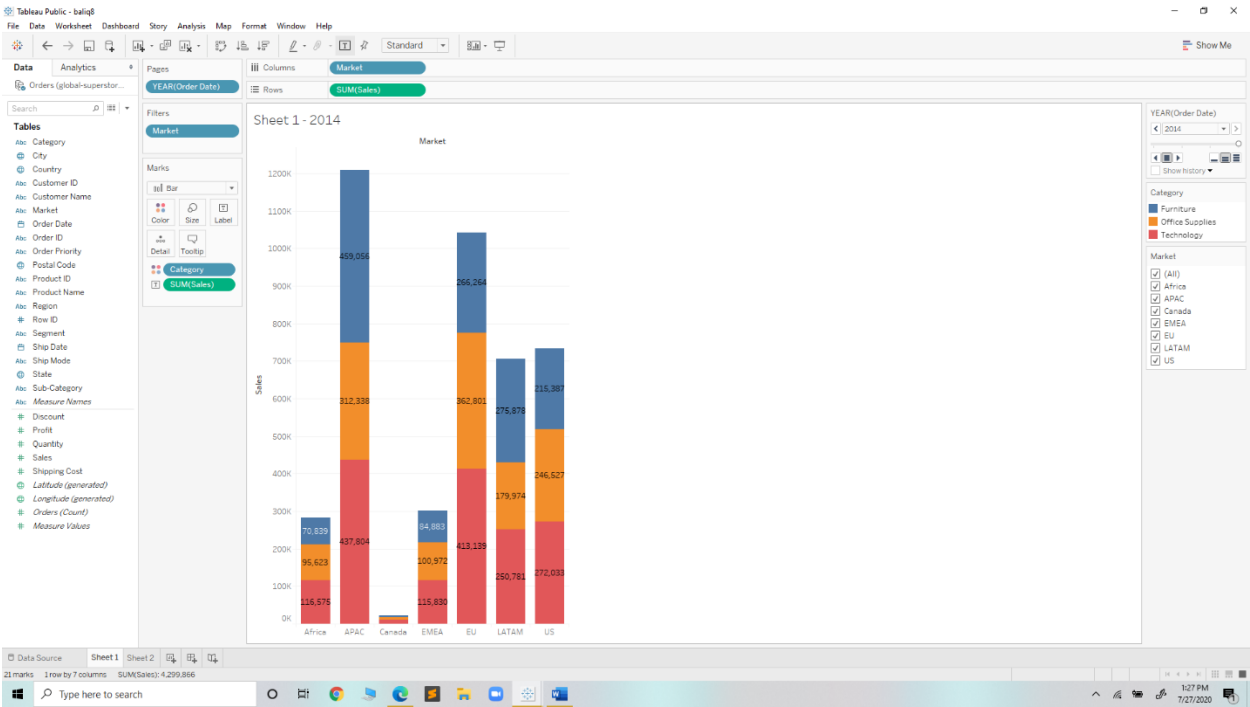
Name	Platform	Genre	Publisher	max(eu_sales)
Just Dance 2016	Wii	Misc	Ubisoft	0.59

TABLEAU PROJECT

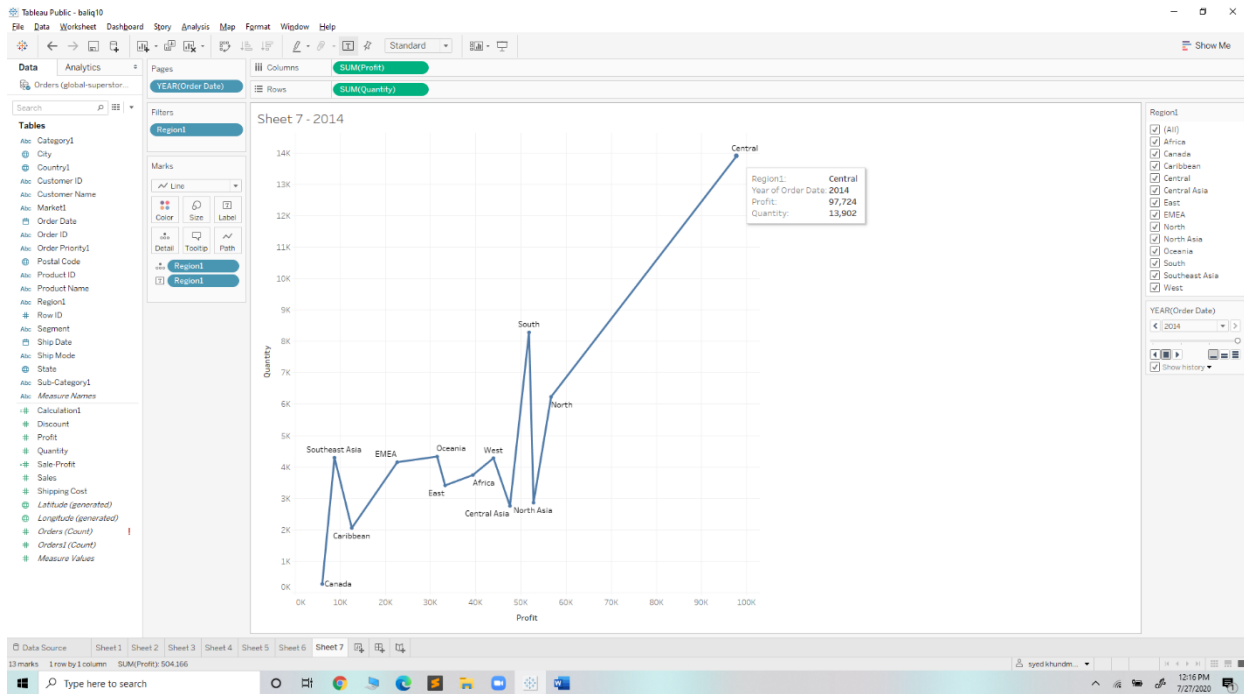
Visualizations

Dataset: Global-Super Store

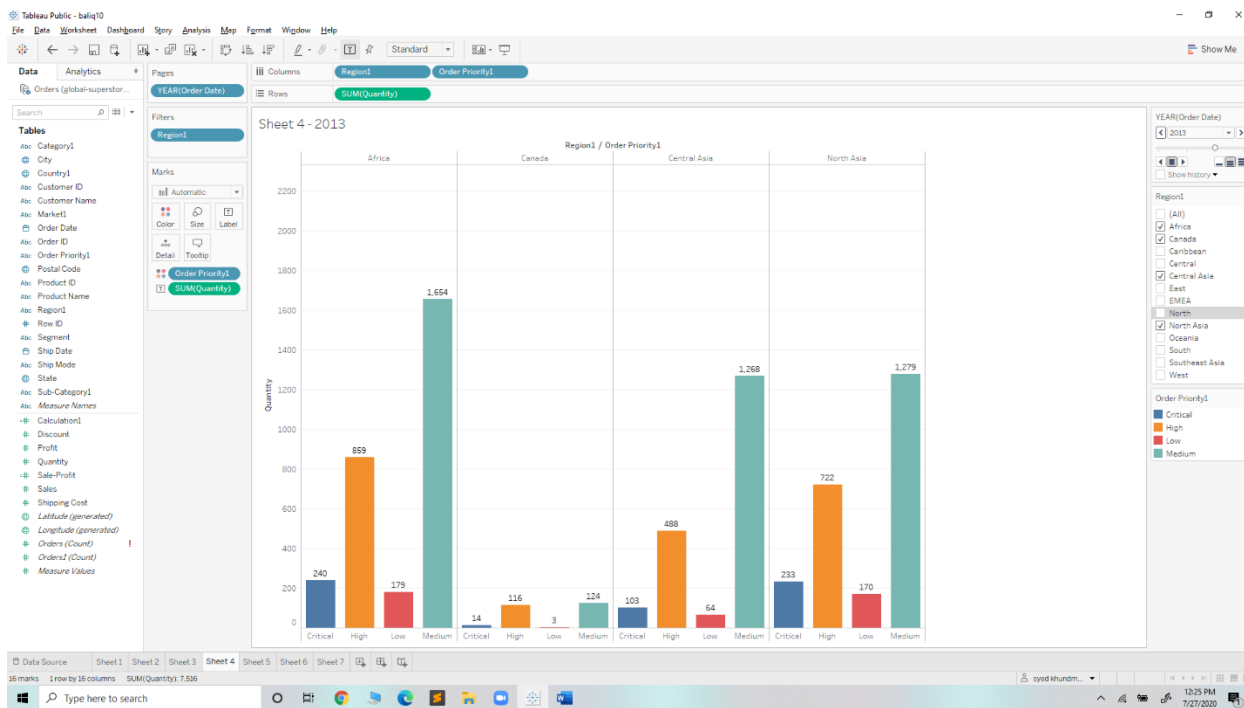
1.



2.



3.



The screenshot displays the Tableau Desktop interface. The top menu bar includes File, Data, Worksheet, Dashboard, Map, Format, Window, and Help. The main workspace is divided into several panes: a left sidebar with 'Data' and 'Analytics' tabs, a 'Columns' shelf containing 'Latitude (generated)', a 'Rows' shelf containing 'Longitude (generated)', and a 'Filters' shelf containing 'Country1'. The central view is a world map titled 'Sheet 1 - 2012', where countries are colored in shades of green and blue, representing different values. A tooltip for the United States shows 'Year of Ship Date: 2012' and 'Shipping Cost: 51,167'. On the right, a 'SUM(Shipping Cost)' table is visible, showing a total of 77,06. The bottom status bar indicates '129 marks' and 'Type here to search'.

Sheet 2 - 2012

Category / Sub-Category

Avg. Profit

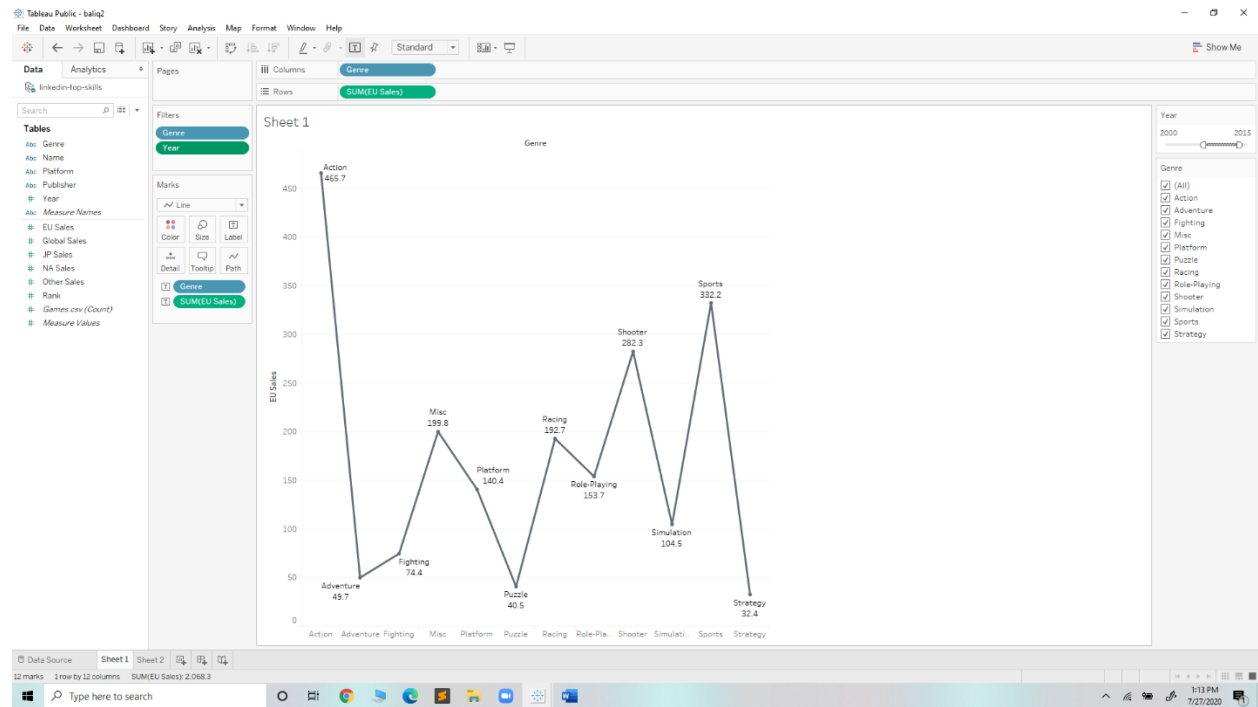
Market

Sub-Category

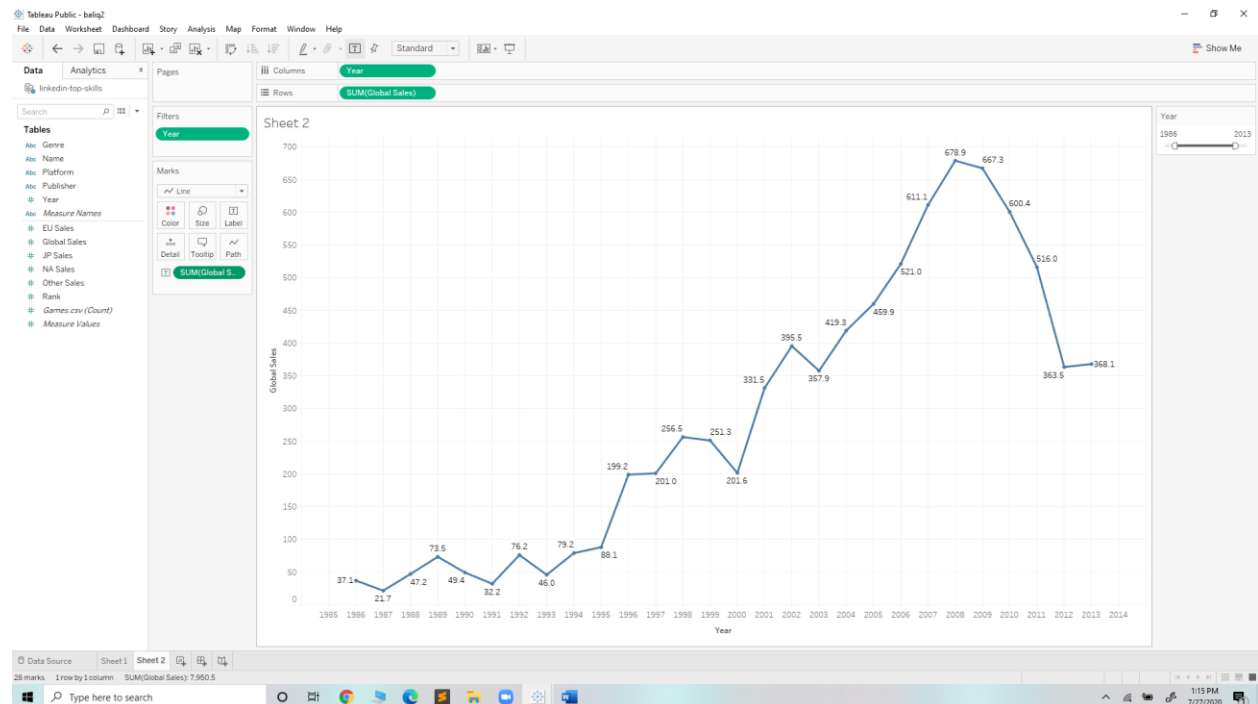
Category	Sub-Category	Market	Avg. Profit
Furniture	Bookcases	EU	100
	Chairs	EU	124
	Furniture	EU	359
	Tables	EU	-728
Appliances	Appliances	EU	182
	Art	EU	311
	Binders	EU	99
	Envelopes	EU	124
Accessories	Accessories	EU	130
	Copiers	EU	285
	Fasteners	EU	497
	Machines	EU	104
Phones	Phones	EU	124
	Storage	EU	147
	Supplies	EU	124
	Tables	EU	104

Dataset: <https://www.kaggle.com/gregorut/videogamesales>

6.

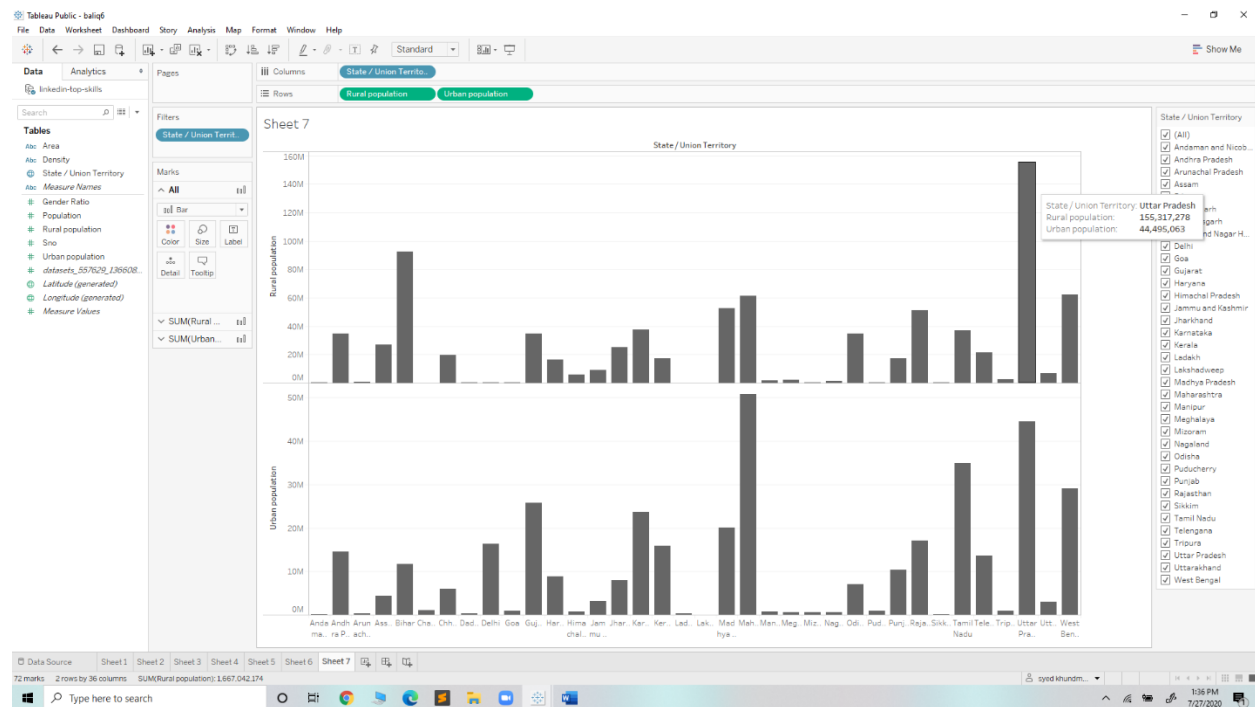


7.



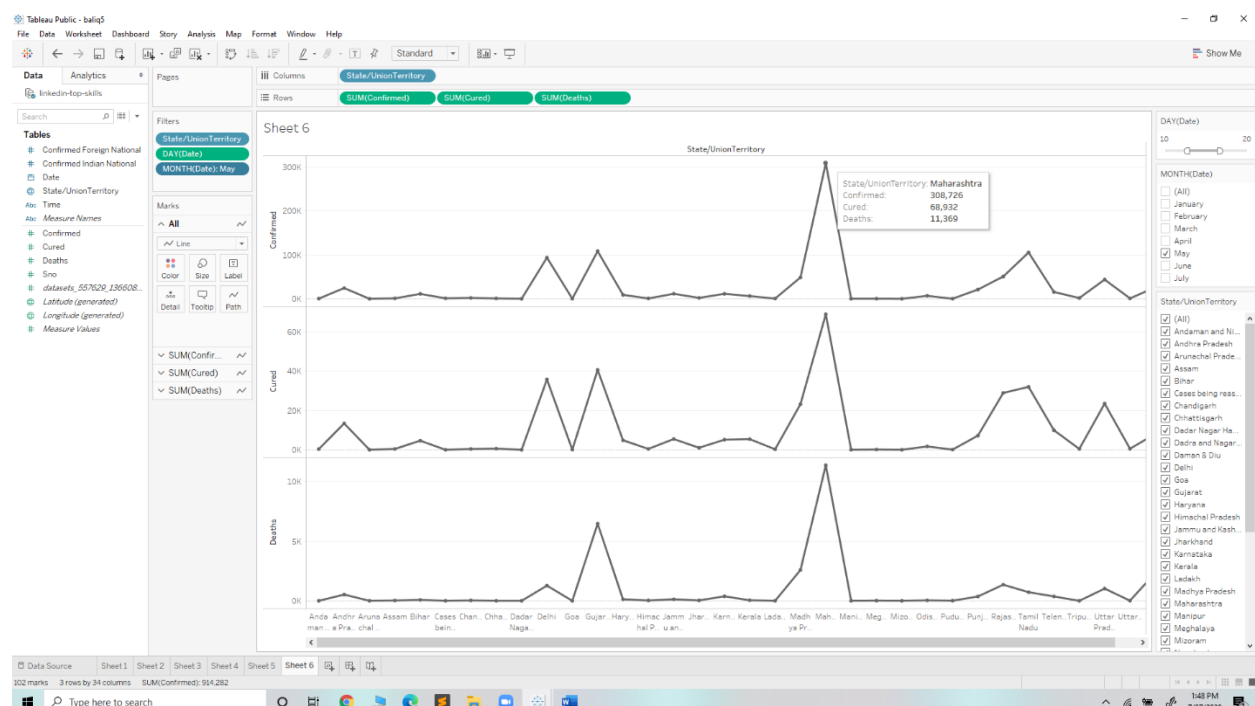
Dataset: https://www.kaggle.com/sudalairajkumar/covid19inindia?select=population_india_census2011.csv

8.



Dataset: https://www.kaggle.com/sudalairajkumar/covid19-in-india?select=covid_19_india.csv

9.



10.

