

# Assignment #3

## Data Aggregate Activity

Course name	<b>Data Analysis Tools for Analytics</b>
Course code	<b>LA-DTA 1054</b>
Course facilitator	<b>Kenton White</b>
Student name	<b>Muhammad Qureshi</b>
Student ID	<b>c0813038</b>
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1.

Create a table show the average critic score for sports games, make column called sports\_critic\_scofre.

The screenshot shows a database query interface. At the top, there's a 'DATABASE' section with a dropdown menu set to 'default'. Below this is a text area containing a SQL query:

```
1 select Avg(critic_score) as sports_critic_scofre
2 from sales
3 where genre like "%Sports%";
4
```

Below the query area are buttons for 'Execute' (green), 'Save As', 'Insert UDF', and 'Visual Explain'. Below these are tabs for 'RESULTS' (selected), 'LOG', 'VISUAL EXPLAIN', and 'TEZ UI'. Under the 'RESULTS' tab, there's a 'Filter columns' input and a table with one column 'sports\_critic\_scofre' and one row with the value '71.84267782426778'.

Create a table show the average critic score for sports games, make column called shooter\_critic\_score.

The screenshot shows a database query interface. At the top, there's a 'DATABASE' section with a dropdown menu set to 'default'. Below this is a text area containing a SQL query:

```
1 select Avg(critic_score) as shooter_critic_score
2 from sales
3 where genre like "%Shooter%";
4
```

Below the query area are buttons for 'Execute' (green), 'Save As', 'Insert UDF', and 'Visual Explain'. Below these are tabs for 'RESULTS' (selected), 'LOG', 'VISUAL EXPLAIN', and 'TEZ UI'. Under the 'RESULTS' tab, there's a 'Filter columns' input and a table with one column 'shooter\_critic\_score' and one row with the value '70.16932907348243'.

2.

Create 3 statistics table (avg, max,min) for the global sales for : all games, Sports games, Shooter games. Label the column as “Average global sale” “min global sale” and “max global sale”

### For All Games

The screenshot shows a database query interface. At the top, there's a 'DATABASE' section with a search bar and a 'default' button. Below this is a query editor with the following SQL code:

```
1 select Avg(Global_Sales) as average_global_sales, Min(Global_Sales) as min_global_sales, Max(Global_Sales) as max_global_sales
2 from sales;
3
4
```

Below the query editor, there are buttons for 'Execute', 'Save As', 'Insert UDF', and 'Visual Explain'. The 'Execute' button is highlighted in green. Below these buttons, there's a 'RESULTS' tab, which is active. It shows a table with three columns: 'average\_global\_sales', 'min\_global\_sales', and 'max\_global\_sales'. The values are 0.5318846820078634, 0.0, and 82.53 respectively. A large red text 'all games' is overlaid on the right side of the interface.

average_global_sales	min_global_sales	max_global_sales
0.5318846820078634	0.0	82.53

### For Sports games

The screenshot shows a database query interface. At the top, there's a 'DATABASE' section with a search bar and a 'default' button. Below this is a query editor with the following SQL code:

```
1 select Avg(Global_Sales) as average_global_sales, Min(Global_Sales) as min_global_sales, Max(Global_Sales) as max_global_sales
2 from sales
3 where genre like "%Sports%";
4
5
6
7
```

Below the query editor, there are buttons for 'Execute', 'Save As', 'Insert UDF', and 'Visual Explain'. The 'Execute' button is highlighted in green. Below these buttons, there's a 'RESULTS' tab, which is active. It shows a table with three columns: 'average\_global\_sales', 'min\_global\_sales', and 'max\_global\_sales'. The values are 0.5680930030654556, 0.0, and 82.53 respectively. A large red text 'Sports games' is overlaid on the right side of the interface.

average_global_sales	min_global_sales	max_global_sales
0.5680930030654556	0.0	82.53

## For Shooter games

The screenshot shows a database query interface. At the top, there's a 'DATABASE' section with a dropdown menu set to 'default'. Below this is a text area containing a SQL query:

```
1 select Avg(Global_Sales) as average_global_sales, Min(Global_Sales) as min_global_sales, Max(Global_Sales) as max_global_sales
2 from sales
3 where genre like "%Shooter%";
4
5
6
7
```

Below the query area, there's a large red text overlay that says "Shooter games".

At the bottom of the interface, there's a toolbar with buttons: 'Execute' (green), 'Save As', 'Insert UDF', and 'Visual Explain'. Below the toolbar, there's a 'RESULTS' tab selected, showing a table with the following data:

average_global_sales	min_global_sales	max_global_sales
0.8003743302057134	0.01	28.31

3. Create two tables containing the global sales and the count of games with total global sales for sports games and shooter games .

### Sports games

DATABASE  
Select or search database/schema

x default

```
1 select Count(Name) as count, Global_sales
2 from sales
3 where genre like "%Sports%"
4 group by Global_sales
5
6 ;
7
```

✓ Execute

Save As

Insert UDF ▾

Visual Explain

RESULTS

LOG

VISUAL EXPLAIN

TEZ UI

Filter columns x

≡

←

→

↗

count	global_sales
2	0.0
51	0.01
83	0.02
74	0.03
66	0.04

RESULTS

LOG

Filter columns x

count	global_sales
2	0.0
51	0.01
83	0.02
74	0.03
66	0.04
76	0.05
68	0.06
54	0.07
64	0.08
58	0.09
54	0.1
58	0.11
52	0.12
54	0.13
50	0.14
43	0.15
36	0.16
47	0.17

## Shooter games:

DATABASE  
Select or search database/schema

default

```
1 select Count(Name) as count, Global_sales
2 from sales
3 where genre like "%Shooter%"
4 group by Global_sales
5
6 ;
7
```

Execute

Save As

Insert UDF

Visual Explain

RESULTS

LOG

VISUAL EXPLAIN

TEZ UI

Filter columns

X

count	global_sales
29	0.01
81	0.02
45	0.03
45	0.04
47	0.05
44	0.06

RESULTS

LOG

Filter columns

X

count	global_sales
29	0.01
81	0.02
45	0.03
45	0.04
47	0.05
44	0.06
31	0.07
39	0.08
28	0.09
26	0.1
37	0.11
23	0.12
24	0.13
22	0.14
19	0.15
16	0.16