Subject: Data Analysis Tools for Analytics – Assignment 3

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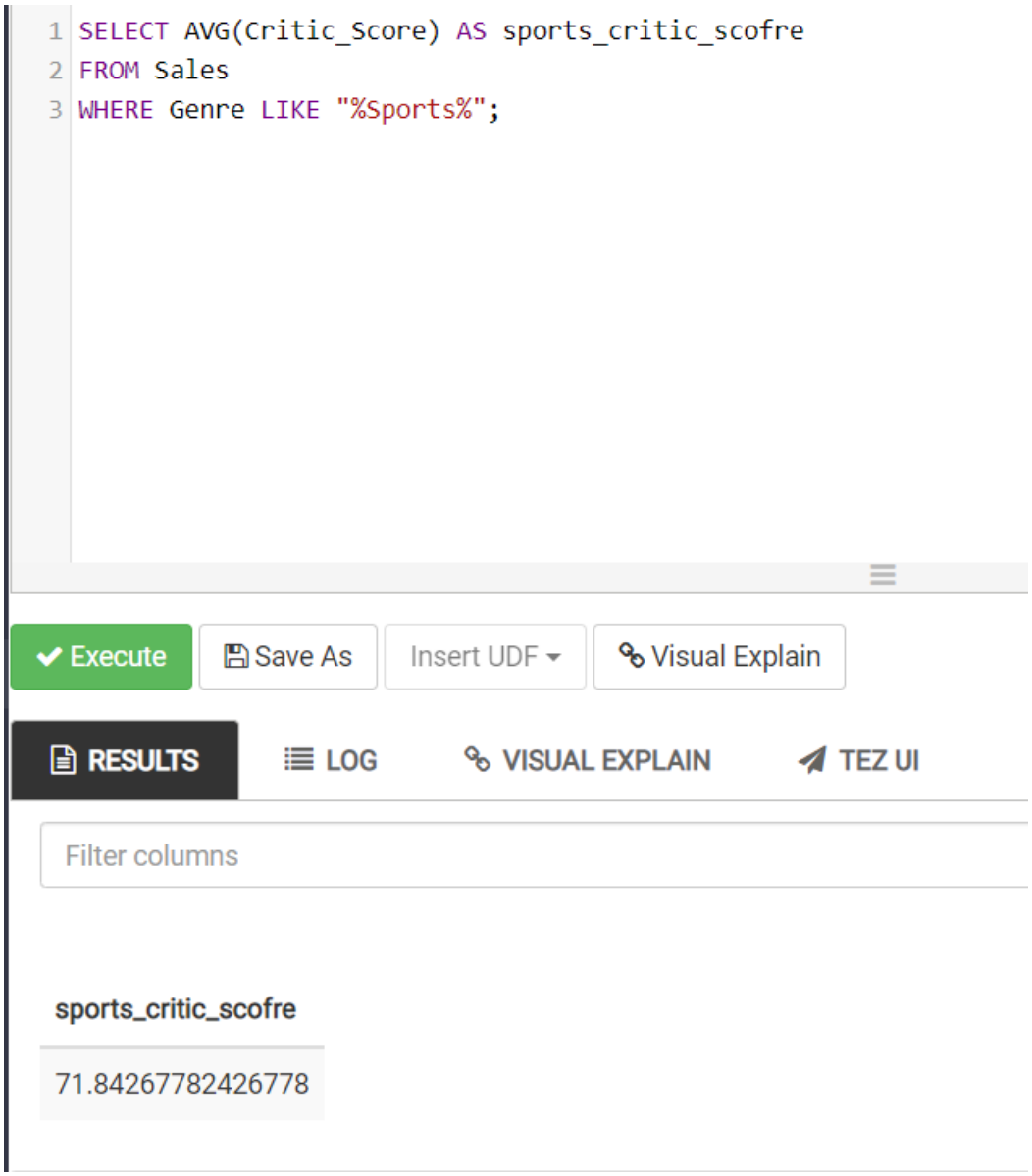
<u>Step 1:</u> Create two table (one for sports games and one for shooter games) displaying the average critic score.

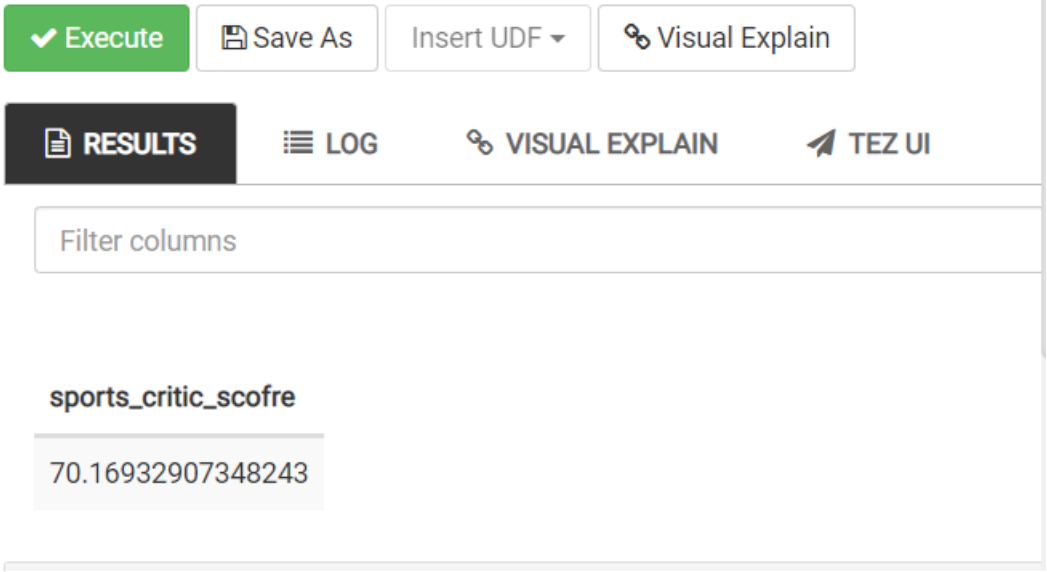
Average critic score for sports games

```
1 SELECT AVG(Critic_Score) AS sports_critic_scofre
2 FROM Sales
3 WHERE Genre LIKE "%Sports%";
```



Average critic score for shooter games

```
1 SELECT AVG(Critic_Score) AS sports_critic_scofre
2 FROM Sales
3 WHERE Genre LIKE "%Shooter%";
```



<u>Step 2:</u> Create three statistics tables for the global sales; one for all games, one for sports games and one for shooter games.

All games avg, min, max for global sales

```
1 SELECT AVG(Global_Sales) AS average_global_sales, MIN(Global_Sales) AS min_global_sales,
2 MAX(Global_Sales) AS max_global_sales
3 FROM Sales
```

Execute | Save As | Insert UDF | Visual Explain

RESULTS | LOG | VISUAL EXPLAIN | TEZ UI

Filter columns

average_global_sales	min_global_sales	max_global_sales
0.5318846820078634	0.0	82.53

Sports games avg, min, max for global sales

```
1 SELECT AVG(Global_Sales) AS average_global_sales, MIN(Global_Sales) AS min_global_sales,
2 MAX(Global_Sales) AS max_global_sales
3 FROM Sales
4 WHERE Genre LIKE "%Sports%";
```

Execute | Save As | Insert UDF | Visual Explain

RESULTS | LOG | VISUAL EXPLAIN | TEZ UI

Filter columns

average_global_sales	min_global_sales	max_global_sales
0.5680930030654556	0.0	82.53

Shooter games, avg, min, max for global sales

```
SELECT AVG(Global_Sales) AS average_global_sales, MIN(Global_Sales) AS min_global_sales,
MAX(Global_Sales) AS max_global_sales
FROM Sales
WHERE Genre LIKE "%Shooter%";
```

Execute | Save As | Insert UDF | Visual Explain

RESULTS | LOG | VISUAL EXPLAIN | TEZ UI

Filter columns

average_global_sales	min_global_sales	max_global_sales
0.8003743302057134	0.01	28.31

<u>Step 3:</u> Create two tables (one for sports games and one for shooter games) for global sales and the number matching that global sales amount.

Tables for sports games for global sales and the number matching that global sales amount

```
1 SELECT Global_Sales, COUNT(Global_Sales) AS count FROM Sales
2 WHERE Genre LIKE "%Sports%"
3 GROUP BY Global_Sales;
```

Execute | Save As | Insert UDF | Visual Explain

RESULTS | LOG | VISUAL EXPLAIN | TEZ UI

Filter columns

global_sales	count
0.05	76
0.07	54
0.08	64
0.09	58
0.1	54
0.11	58
0.14	50
0.15	43
0.17	47
0.21	40
0.23	36
0.24	24

Tables for shooter games for global sales and the number matching that global sales amount

```
1 SELECT Global_Sales, COUNT(Global_Sales) AS count FROM Sales
2 WHERE Genre LIKE "%Shooter%"
3 GROUP BY Global_Sales;
```

Execute | Save As | Insert UDF | Visual Explain

RESULTS | LOG | VISUAL EXPLAIN | TEZ UI

Filter columns

global_sales	count
0.05	47
0.07	31
0.08	39
0.09	28
0.1	26
0.11	37
0.14	22
0.15	19
0.17	17
0.21	16
0.23	12
0.24	13