Subject: Data Analysis Tools for Analytics – Assignment 2

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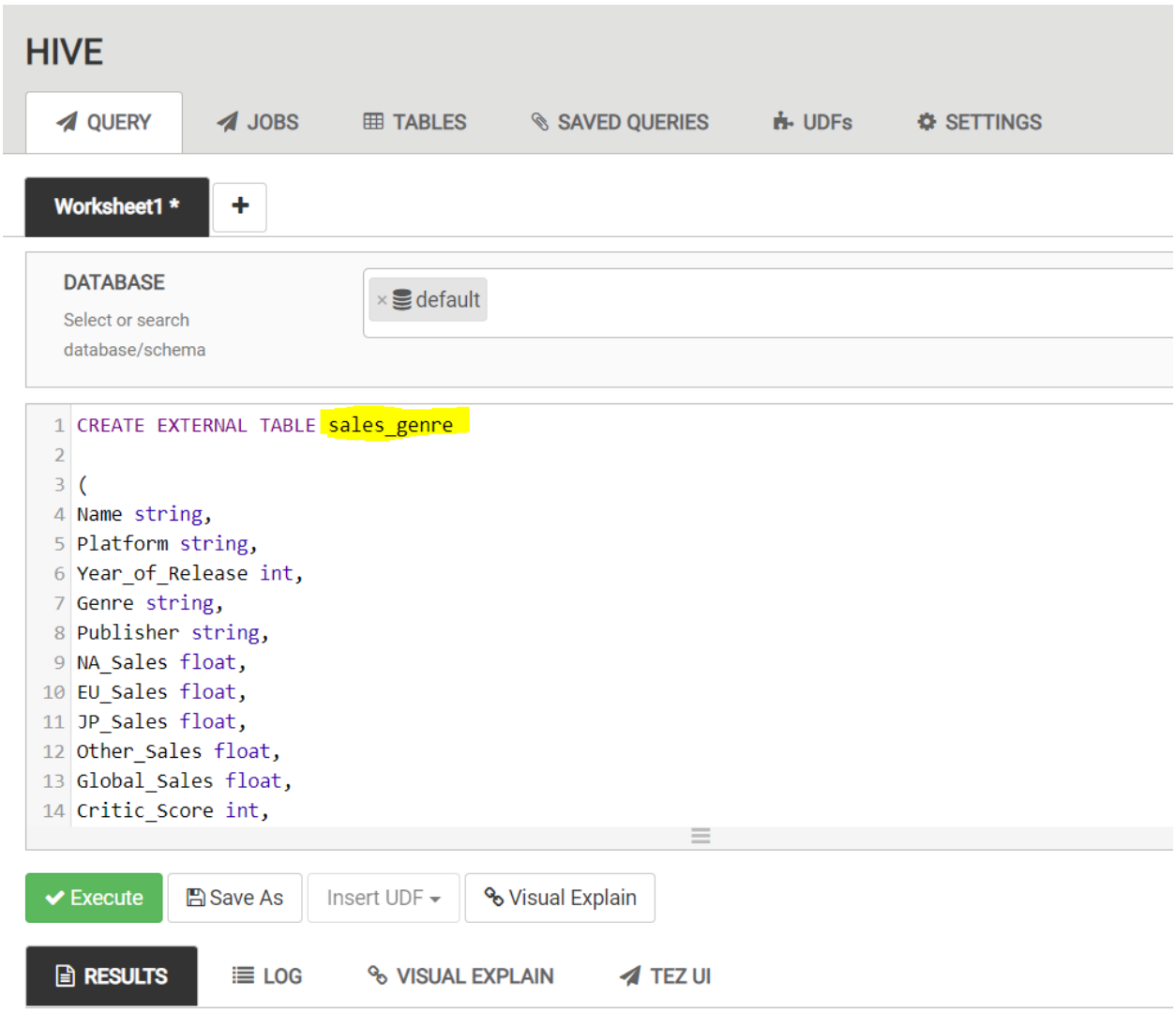
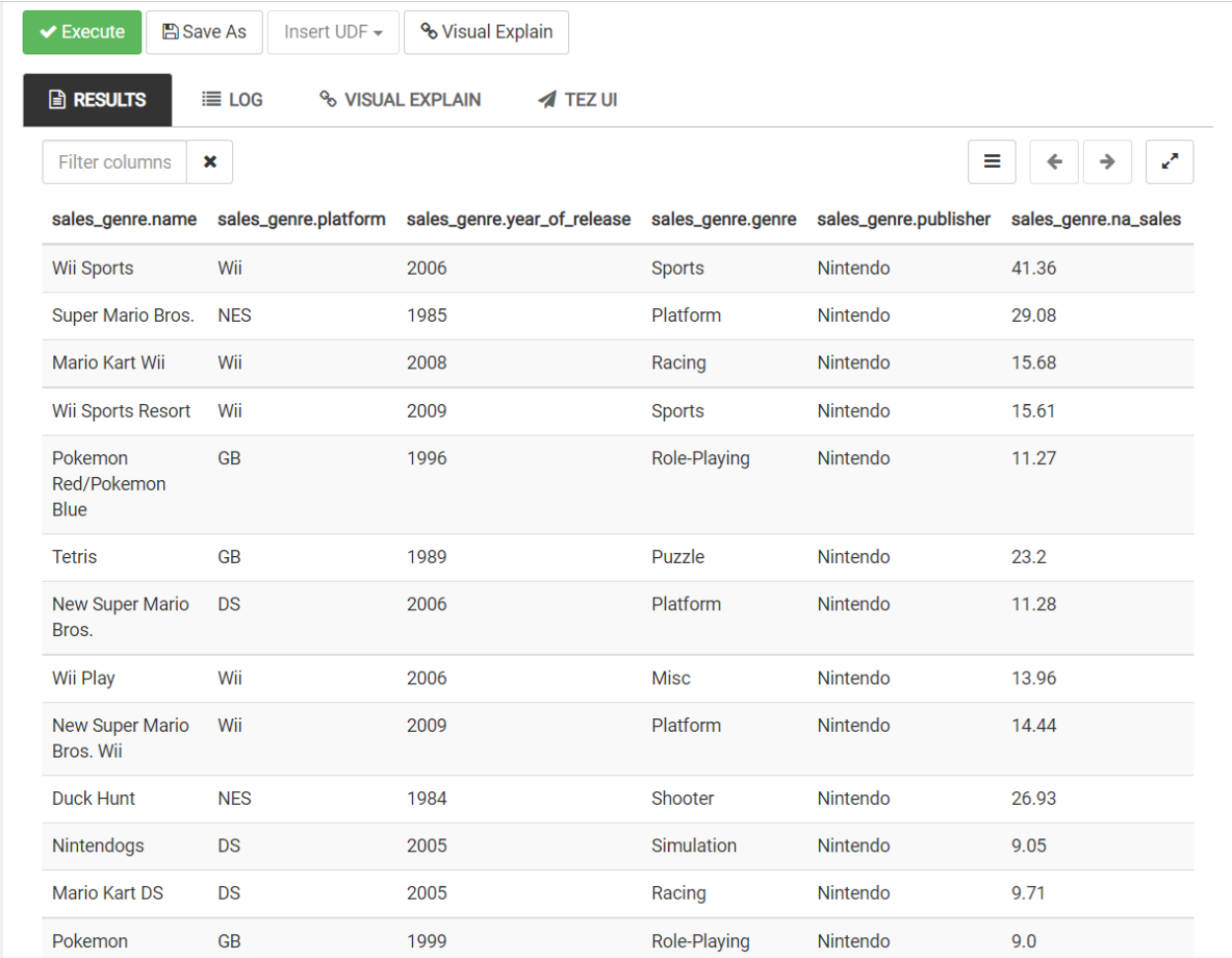
<u>Step 1a:</u> Create a new table for your analysis call "sales_genre".



I created the new table "sales_genre" in the schema.

Step 1b: Load the table "sales" into this table.



sales_genre.name	sales_genre.platform	sales_genre.year_of_release	sales_genre.genre	sales_genre.publisher	sales_genre.na_sales
Wii Sports	Wii	2006	Sports	Nintendo	41.36
Super Mario Bros.	NES	1985	Platform	Nintendo	29.08
Mario Kart Wii	Wii	2008	Racing	Nintendo	15.68
Wii Sports Resort	Wii	2009	Sports	Nintendo	15.61
Pokemon Red/Pokemon Blue	GB	1996	Role-Playing	Nintendo	11.27
Tetris	GB	1989	Puzzle	Nintendo	23.2
New Super Mario Bros.	DS	2006	Platform	Nintendo	11.28
Wii Play	Wii	2006	Misc	Nintendo	13.96
New Super Mario Bros. Wii	Wii	2009	Platform	Nintendo	14.44
Duck Hunt	NES	1984	Shooter	Nintendo	26.93
Nintendogs	DS	2005	Simulation	Nintendo	9.05
Mario Kart DS	DS	2005	Racing	Nintendo	9.71
Pokemon	GB	1999	Role-Playing	Nintendo	9.0

Above screenshot shows the sales file loaded in the table.

<u>Step 1c:</u> Select these columns: Genre, Global_Sales, Critic_Score.

```
1 SELECT Genre, Global_Sales, Critic_Score FROM sales_genre;
```

Execute | Save As | Insert UDF | Visual Explain

RESULTS | LOG | VISUAL EXPLAIN | TEZ UI

Filter columns

genre	global_sales	critic_score
Sports	82.53	76
Platform	40.24	null
Racing	35.52	82
Sports	32.77	80
Role-Playing	31.37	null
Puzzle	30.26	null
Platform	29.8	89

In the above screenshot only three variables among all 16 variables been selected.

<u>Step 2:</u> Round the data found in the "Global_Sales" column.

```
1 SELECT Genre, ROUND(Global_Sales), Critic_Score FROM sales_genre;
```

Execute | Save As | Insert UDF | Visual Explain

RESULTS | LOG | VISUAL EXPLAIN | TEZ UI

Filter columns

genre	_c1	critic_score
Sports	83.0	76
Platform	40.0	null
Racing	36.0	82
Sports	33.0	80
Role-Playing	31.0	null
Puzzle	30.0	null
Platform	30.0	89

Data from Global_Sales column is been rounded using ROUND function i.e. 82.53 is rounded to 83 and so on.

<u>Step 3:</u> Filter the data to only look at those items in the Critic_Score" column that are greater than 0.

```
1 SELECT Genre, Global_Sales, Critic_Score FROM sales_genre
2 WHERE Critic_Score > 0;
```

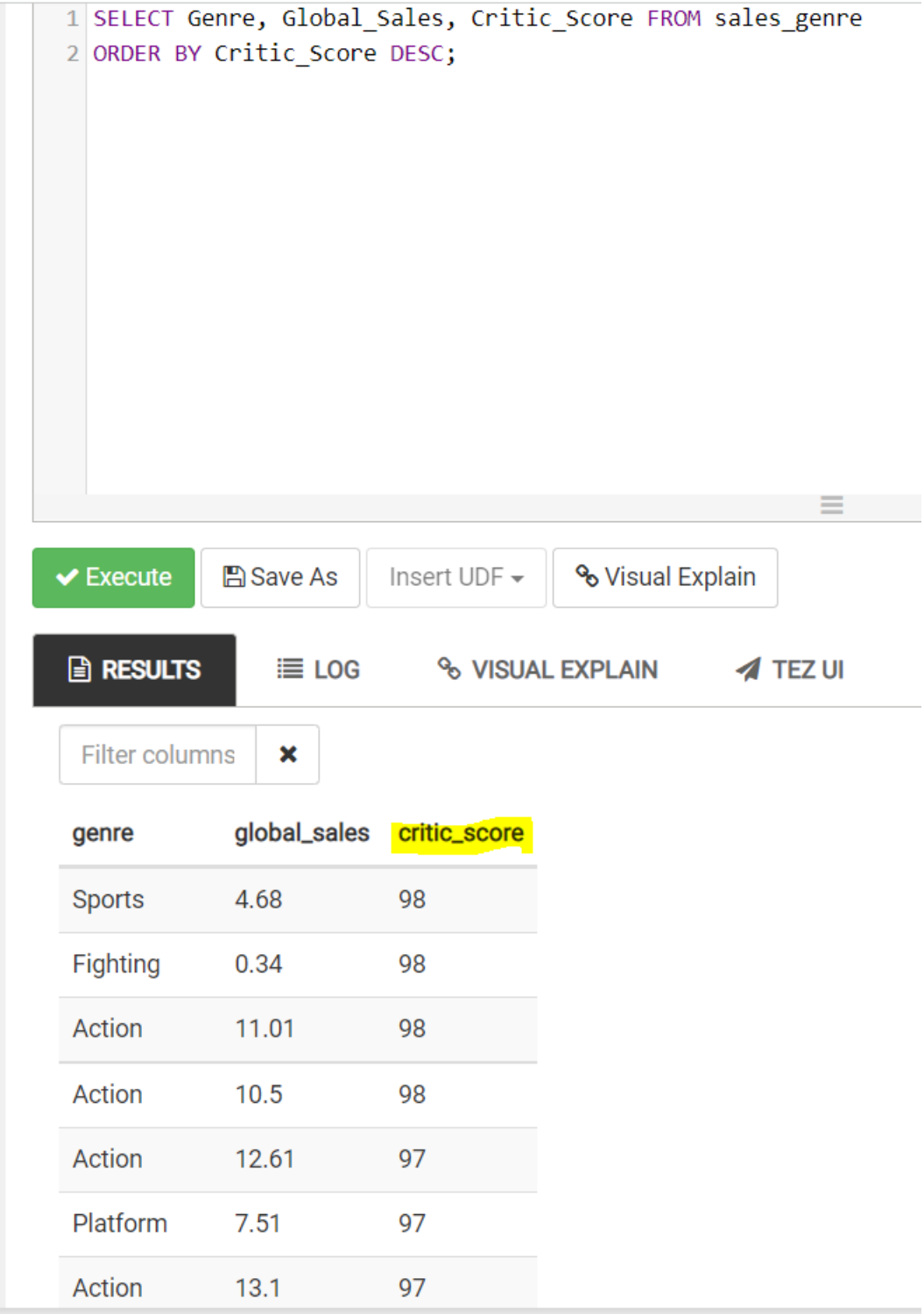
Execute | Save As | Insert UDF | Visual Explain

RESULTS | LOG | VISUAL EXPLAIN | TEZ UI

Filter columns

genre	global_sales	critic_score
Sports	82.53	76
Racing	35.52	82
Sports	32.77	80
Platform	29.8	89
Misc	28.92	58
Platform	28.32	87
Racing	23.21	91

<u>Step 4:</u> Order the data in the "Critic_Score" column from highest tom lowest.



Above figure shows that the Critic_Score column is arranged in descending order i.e. from highest to lowest.