

1. Create 2 tables. The first table shows the average critic score for Sports games. Store this information in a column called "sports_critic_score". The second table shows the average critic score for Shooter games. Store this information in a column called "shooter_critic_score".

Sports Games: Creating table with selected columns from video game sales.

```
1 CREATE TABLE sportsgames_  
2 (  
3   Name string,  
4   Platform string,  
5   Year_of_Release int,  
6   Genre string,  
7   Global_Sales float,  
8   Critic_Score int  
9 );
```

```
1 INSERT OVERWRITE TABLE SportsGames_  
2 SELECT Name,Platform,Year_of_Release,Genre,Global_sales,Critic_Score  
3 FROM vgsales_
```

```
1 INSERT OVERWRITE TABLE SportsGames_  
2 SELECT *  
3 FROM SportsGames_  
4 WHERE Genre Like "%Sports%";
```

Created Table with filtered out "Sports" Genre, Global sales rounded up and null values from critic scores all greater than zero.

Filter columns						
sportsgames_name	sportsgames_platform	sportsgames_year_of_release	sportsgames_genre	sportsgames_global_sales	sportsgames_critic_score	
Tony Hawk's Pro Skater 2	PS	2000	Sports	5.0	98	
Tony Hawk's Pro Skater 3	PS2	2001	Sports	4.0	97	
NFL 2K1	DC	2000	Sports	1.0	97	
Madden NFL 2003	PS2	2002	Sports	4.0	95	
Tony Hawk's Pro Skater 2	GBA	2001	Sports	1.0	95	
Madden NFL 2004	PS2	null	Sports	5.0	94	
Madden NFL 2002	PS2	2001	Sports	3.0	94	
NCAA Football 2004	PS2	2003	Sports	2.0	94	
Tony Hawk's Pro Skater 4	PS2	2002	Sports	4.0	94	
Madden NFL 2004	GC	2003	Sports	1.0	94	

Average critic score for sports game: 71.96, rounded up to 72.0

1 SELECT round(AVG(critic_score)) AS sports_critic_score, MIN(Critic_Score) AS min_Critic_Score, MAX(Critic_Score) AS max_Critic_Score

2 FROM SportsGames_

Execute

Save As

Insert UDF

Visual Explain

RESULTS

LOG

VISUAL EXPLAIN

TEZ UI

Filter columns

x

sports_critic_score	min_critic_score	max_critic_score
72.0	19	98

Shooter Games:

1 CREATE TABLE shootersgames_

2 (

3 Name string,

4 Platform string,

5 Year_of_Release int,

6 Genre string,

7 Global_Sales float,

8 Critic_Score int

9);

10

1 INSERT OVERWRITE TABLE ShootersGames_

2 SELECT *

3 FROM ShootersGames_

4 WHERE Genre Like "%Shooter%";

Filtered Shooter Genre table

shootersgames_name	shootersgames_platform	shootersgames_year_of_release	shootersgames_genre	shootersgames_global_sales	shootersgames_critic_score
Halo: Combat Evolved	XB	2001	Shooter	6.0	97
Metroid Prime	GC	2002	Shooter	3.0	97
Half-Life	PC	1997	Shooter	4.0	96
The Orange Box	X360	2007	Shooter	2.0	96
BioShock	X360	2007	Shooter	3.0	96
The Orange Box	PC	2007	Shooter	0.0	96
Half-Life 2	PC	2004	Shooter	2.0	96
BioShock	PC	2007	Shooter	0.0	96
Halo 2	XB	2004	Shooter	8.0	95
Portal 2	X360	2011	Shooter	2.0	95

```

1 SELECT round(AVG(critic_score)) AS shooter_critic_score, MIN(Critic_Score) AS min_Critic_Score, MAX(Critic_Score) AS max_Critic_Score
2 FROM ShootersGames_

```

Execute Save As Insert UDF Visual Explain

RESULTS LOG VISUAL EXPLAIN TEZ UI

Filter columns x

shooter_critic_score	min_critic_score	max_critic_score
70.0	22	97

- Create 3 statistics tables (average, min, max) for the global_sales for: all games, Sports games, Shooter games. For each table, label the columns as: “average_global_sales”, “min_global_sales”, and “max_global_sales”.

All Games:

avg_global_sales	min_global_sales	max_global_sales
0.5318846820078634	0.0	82.53

Sports Games;

avg_global_sales	min_global_sales	max_global_sales
0.5680930030654556	0.0	82.53

Shooter Games:

avg_global_sales	min_global_sales	max_global_sales
0.8003743302057134	0.01	28.31

3. Create 2 tables containing the global_sales and the count of games with that global_sales for: Sports games and Shooter games. For each table, label the columns as: “global_sales” and “count”.

Sportsgames:

```
1 SELECT global_sales, (COUNT(global_sales)) AS count
2 FROM sportsgames
3 group by global_sales;
```

✓ Execute Save As Insert UDF Visual Explain

RESULTS LOG VISUAL EXPLAIN TEZ UI

Filter columns ✕		≡	←	→	↗
global_sales	count				
0.0	2				
0.01	51				
0.02	83				
0.03	74				
0.04	66				
0.05	76				
0.06	68				
0.07	54				
0.08	64				
0.09	58				
0.1	54				
0.11	58				
0.12	52				

Shooter Games:

```
1 SELECT global_sales, (COUNT(global_sales)) AS count
2 FROM shootergames
3 group by global_sales;
```

✓ Execute

Save As

Insert UDF ▾

Visual Explain

RESULTS

LOG

VISUAL EXPLAIN

TEZ UI

Filter columns

✕

≡

←

→

↗

global_sales	count
0.01	29
0.02	81
0.03	45
0.04	45
0.05	47
0.06	44
0.07	31
0.08	39
0.09	28
0.1	26
0.11	37