Data Aggregation Activity

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

a) Average sports critic score

```
1 CREATE TABLE average_sports_critic_score AS
2 SELECT AVG(critic_score) AS sports_critic_score
3 FROM sales
4 WHERE genre LIKE "%Sports%";
```

Result:

average_sports_critic_score.sports_critic_score
71.84267782426778

b) Average shooter score

```
1 CREATE TABLE average_shooter_critic_score AS
2 SELECT AVG(critic_score) AS shooter_critic_score
3 FROM sales
4 WHERE genre LIKE "%Shooter%";
```

Result:

average_shooter_critic_score.shooter_critic_score
70.16932907348243

2) 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”.

a) global sales stats

```
CREATE TABLE global_all_games_stats AS
SELECT AVG(global_sales) AS average_global_sales,
MIN(global_sales) AS min_global_sales,
MAX(global_sales) AS max_global_sales
FROM sales
```

Result:

global_all_games_stats.average_global_sales	global_all_games_stats.min_global_sales	global_all_games_stats.max_global_sales
0.5318846820078634	0.0	82.53

b) sports sales stats

```
CREATE TABLE global_sports_games_stats AS
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 "%Sports%";
```

Result

global_sports_games_stats.average_global_sales	global_sports_games_stats.min_global_sales	global_sports_games_stats.max_global_sal
0.5680930030654556	0.0	82.53

C) shooter sales stats

```sql
CREATE TABLE global_shooter_games_stats AS
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%"
```

Result

global_shooter_games_stats.average_global_sales	global_shooter_games_stats.min_global_sales	global_shooter_games_stats.max_global
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”.

a) sports games

```sql
CREATE TABLE sports_sale_count AS
SELECT global_sales AS global_sales, COUNT(global_sales) AS count
FROM sales
WHERE genre LIKE "%Sports%"
GROUP BY global_sales;
```

Result

sports_sale_count.global_sales	sports_sale_count.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
0.29	22
0.3	11
0.31	21

b) shooter games

```
CREATE TABLE shooter_sale_count AS
SELECT global_sales AS global_sales, COUNT(global_sales) AS count
FROM sales
WHERE genre LIKE "%Shooter%"
GROUP BY global_sales;
```

(Result shown on next page)

Result:

shooter_sale_count.global_sales	shooter_sale_count.count
0.01	29
0.02	81
0.03	45
0.04	45
0.06	44
0.12	23
0.13	24
0.16	16
0.18	18
0.19	20
0.2	11
0.22	8
0.25	11
0.26	12
0.27	7
0.28	13

Grading for This Assignment

Please take a screen shot of each step, showing the result. Also provide the query you used.

Steps required	Grade Earned
1) Create two tables (one for sports games and one for shooter games) displaying the average critic score	50%
2) Create three statistics tables for the global sales; one for all games, one for sports games and one for shooter games	80%
3) Create two tables (one for sports games and one for shooter games) for global sales and the number of games matching that global sales amount	100%