

SQL Analysis Report: Movie Database

1. Total Number of Movies

SQL:

```
SELECT COUNT(*) FROM movies;
```

Result: 4 movies

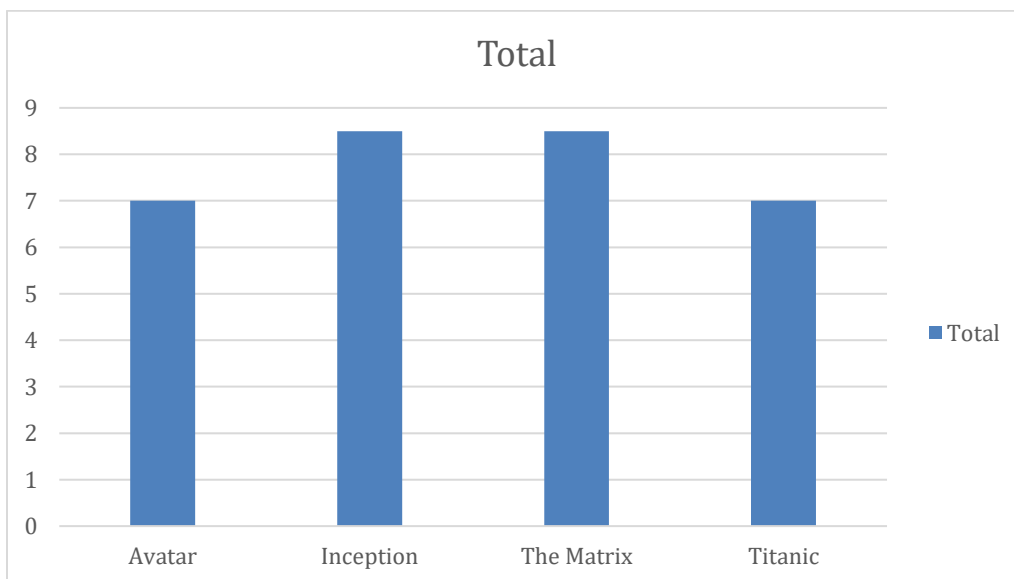
2. Average Rating Per Movie

SQL:

```
SELECT title, AVG(rating) AS avg_rating  
FROM movies  
JOIN ratings ON movies.movie_id = ratings.movie_id  
GROUP BY title  
ORDER BY avg_rating DESC;
```

Result:

- The Matrix: 8.5
- Inception: 8.5
- Avatar: 7.0
- Titanic: 7.0



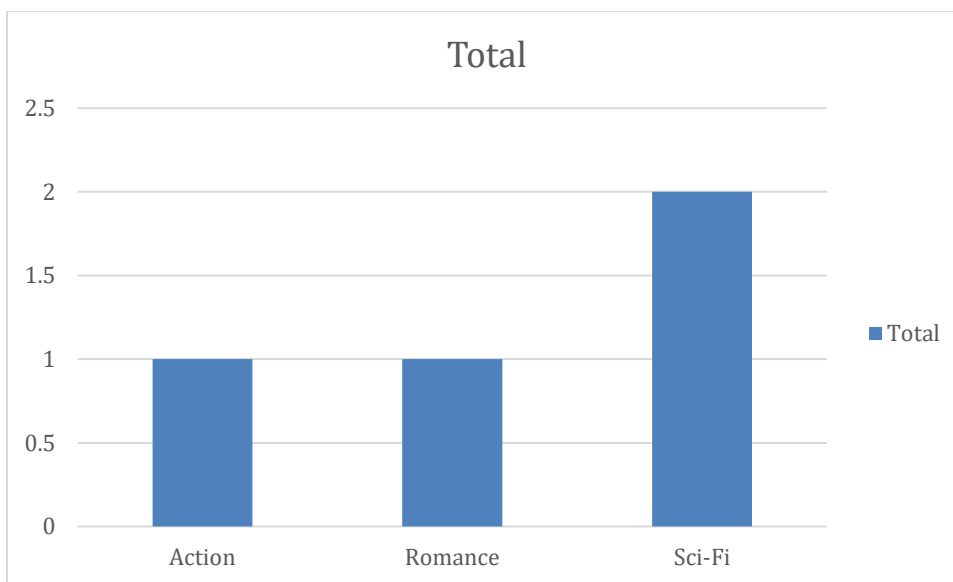
3. Movies Per Genre

SQL:

```
SELECT genre, COUNT(*) AS total_movies  
FROM movies  
GROUP BY genre;
```

Result:

- Sci-Fi: 2
- Romance: 1
- Action: 1



4. Ratings Per Genre

SQL:

```
SELECT genre, AVG(rating) AS avg_rating  
FROM movies  
JOIN ratings ON movies.movie_id = ratings.movie_id  
GROUP BY genre;
```

Result:

- Sci-Fi: 8.5
- Romance: 7.0
- Action: 7.0

