



MOVIE GAME ANALYSIS BY USING SQL & POWER BI

Query Query History

```
1 //Who are the 3 game developers to have most income from their app store games during 2008 to 2013?
2
3 WITH TOTAL_INCOME AS(
4 SELECT DEVELOPER,SUM(PRICE_PER_APP) AS TOTAL_INCOME,EXTRACT(YEAR FROM RELEASE_DATE)AS YEAR
5 FROM GAMES
6 GROUP BY DEVELOPER,YEAR)
7 SELECT *,ROW_NUMBER() OVER(ORDER BY TOTAL_INCOME DESC)AS RN
8 FROM TOTAL_INCOME
9 LIMIT 3;
```

Data Output Messages Notifications



	developer character (50)		total_income numeric	year numeric	rn bigint
1	Mighty Mighty Good Games	...	8.97	2008	1
2	Rainbow Runner software	...	7.99	2011	2
3	MauroTN	...	5.99	2012	3

Query Query History

```
1 //What is the 5 most popular games from 2008 to 2013 yearly? //  
2  
3 SELECT NAME, AVERAGE_RATING, EXTRACT(YEAR FROM RELEASE_DATE) AS YEAR  
4 FROM GAMES  
5 WHERE AVERAGE_RATING=5  
6 GROUP BY NAME, AVERAGE_RATING, RELEASE_DATE  
7 LIMIT 5;
```

Data Output Messages Notifications



```
1 //What game developer had the highest average game rating? //
2
3 SELECT DEVELOPER,AVERAGE_RATING
4 FROM GAMES
5 WHERE AVERAGE_RATING IN (SELECT MAX(AVERAGE_RATING) FROM GAMES)
6
7 GROUP BY DEVELOPER,AVERAGE_RATING
8 ;
```

Data Output Messages Notifications



developer

average_rating


```

1 //What is the average rating and price trend for the games from 2008 to 2013? //
2
3 SELECT NAME, AVERAGE_RATING, PRICE_PER_APP, EXTRACT(YEAR FROM RELEASE_DATE) AS YEAR
4 FROM GAMES
5 GROUP BY NAME, AVERAGE_RATING, PRICE_PER_APP, RELEASE_DATE
6 ORDER BY PRICE_PER_APP DESC;

```

Data Output Messages Notifications



	name character (50)	average_rating numeric (10,2)	price_per_app numeric (10,2)	year numeric
1	FiveInRowLT - Five in a Row	5.00	7.99	2011
2	SimpleKeyPad - Fsx	4.00	5.99	2012
3	Balloon Explosion	4.00	3.99	2011

```

1 //Which is the most popular language for the games in App Store from 2008 to 2013? //
2
3 WITH CTE AS(
4 SELECT EXTRACT(YEAR FROM RELEASE_DATE)AS YEAR, LANGUAGES, AVERAGE_RATING
5 FROM GAMES
6 GROUP BY LANGUAGES, AVERAGE_RATING, RELEASE_DATE)
7 ,CTE1 AS(
8 SELECT *, ROW_NUMBER()OVER( ORDER BY AVERAGE_RATING DESC)AS RN
9 FROM CTE)
10 SELECT YEAR, LANGUAGES, AVERAGE_RATING
11 FROM CTE1
12 WHERE AVERAGE_RATING=5
13 ;

```

Data Output Messages Notifications



	year numeric	languages character (50)	average_rating numeric (10,2)
1	2010	EN	5.00
2	2011	IT	5.00

```

1 //What are the 3 games to have most user rating count from 2010 to 2013? //
2
3 WITH RANK AS(
4 SELECT EXTRACT(YEAR FROM RELEASE_DATE) AS YEAR,NAME,USER_RATING_COUNT,
5 RANK()OVER( ORDER BY USER_RATING_COUNT DESC)AS RN
6 FROM GAMES
7 GROUP BY RELEASE_DATE,NAME,USER_RATING_COUNT)
8 SELECT YEAR,NAME,USER_RATING_COUNT
9 FROM RANK
10 WHERE RN<=3;

```

Data Output Messages Notifications



	year numeric	name character (50)	user_rating_count integer
1	2009	Yahoo Fantasy Football & more	199585


```

1  //What are the most popular game genres since 2008 ? //
2
3  WITH DR AS(
4  SELECT EXTRACT(YEAR FROM RELEASE_DATE) AS YEAR, GENRE AS GAME_GENRE, SUM(AVERAGE_RATING) AS TOTAL_RATING,
5  ROW_NUMBER() OVER(PARTITION BY EXTRACT(YEAR FROM RELEASE_DATE) ORDER BY SUM(AVERAGE_RATING) DESC) AS RN
6  FROM GAMES
7  GROUP BY RELEASE_DATE, GENRE, AVERAGE_RATING)
8  SELECT YEAR, GAME_GENRE, TOTAL_RATING
9  FROM DR
10 WHERE RN=1;
11

```

Data Output Messages Notifications



	year numeric	game_genre character (50)	total_rating numeric
1	2008	Games	12.00
2	2009	Entertainment	4.00
3	2010	Entertainment	5.00
4	2011	Entertainment	5.00
5	2012	Games	4.50
6	2013	Finance	4.50

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```
1 //For the new developers to start App Store, what is the price recommendation for them? //
2
3 SELECT NAME AS APP,PRICE_PER_APP
4 FROM GAMES
5 ORDER BY PRICE_PER_APP DESC;
```

Data Output Messages Notifications



	app character (50)	price_per_app numeric (10,2)
1	FiveInRowLT - Five in a Row	7.99
2	SimpleKeyPad - Fsx	5.99
3	Balloon Explosion	3.99
4	Sudoku	2.99
5	Sudoku	2.99
6	Sudoku	2.99
7	Age of Conquest: Europe	2.99
8	Trek Quest HD	2.99
9	AngerOfStick2: Free	2.99
10	Hekkie Hek	0.99
11	CrossOver	0.99

Query Query History

```
1 //For the new developers to start App Store, what is the genre recommendation for them? //
```

```
2
```

```
3 SELECT GENRE,SUM(AVERAGE_RATING)AS TOTAL_RATING
```

```
4 FROM GAMES
```

```
5 GROUP BY GENRE
```

```
6 ORDER BY SUM(AVERAGE_RATING) DESC ;
```

```
7
```

Data Output Messages Notifications

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	genre character (50)	total_rating numeric
1	Games	43.50
2	Entertainment	28.00
3	Utilities	12.50
4	Finance	12.50
5	Education	7.50
6	Reference	6.50
7	Book	4.00
8	Sports	3.50

```
1 //Can we find any correlation between genre, game size ? //
2
3 SELECT GENRE, SUM(SIZE) AS GAME_SIZE
4 FROM GAMES
5 GROUP BY GENRE, SIZE
6 ORDER BY SIZE DESC;
7
```

Data Output Messages Notifications

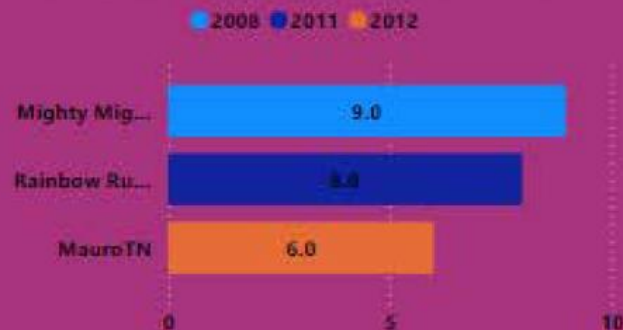


	genre character (50)	game_size bigint
1	Sports	145777664
2	Finance	132970496
3	Utilities	73899008
4	Utilities	71630848
5	Games	66145280
6	Entertainment	52939776
7	Games	52587520
8	Games	48672768
9	Entertainment	39074816

DASHBOARD

MOVIE GAME ANALYTICS

DEVELOPER HAVE MOST INCOME YEARLY



POPULAR DEVELOPER

Developer	Average_rating
Rainbow Runner software	5
Sticky Ice Games	5
Total	10

MOST POPULAR GAMES YEARLY

GAME ● FiveInRowLT - Five in ... ● Gem Struck



MOST USER RATING COUNT YEARLY

Yahoo Fantasy Football & more

Stock M...

2009 200K

2013 47K

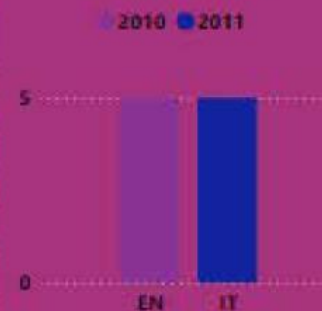
FiveInRo...

2011 21K

MOST POPULAR LANGUAGE

year	game_genre	total_rating
2008	Games	12.00
2009	Entertainment	4.00
2010	Entertainment	5.00
2011	Entertainment	5.00
2012	Games	4.50
2013	Finance	4.50

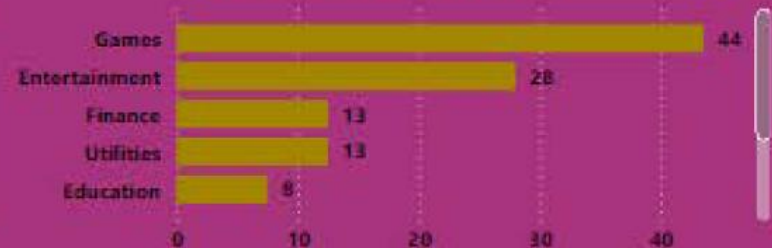
MOST POPULAR LANGUAGE



PRICE TRENDS PER APP



GENRE TRENDS PER APP



AVERAGE RATING & PRICE TRENDS



RELATION BETWEEN GENRE & GAME SIZE

