GokuUzumaki03 /
Azure-Project

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🟣 **GokuUzumaki03** Line Chart | 8b33941 · 4 days ago ↺

1081 lines (1081 loc) · 54.1 KB

| Preview | Code | Blame | | Raw ⧉ ⬇ | ✎ ▾ |

Game Sales

Bar Chart displaying the top 10 selling years.

In [38]:
```
SELECT  TOP 10 YearOfRelease, ROUND(SUM(global_sales), 1) AS TotalGlobalSales
FROM GameSales.dbo.VideoGamesSales
WHERE Global_sales IS NOT NULL
GROUP BY YearOfRelease
Order By SUM(Global_sales) DESC;
```

(10 rows affected)

Total execution time: 00:00:00.148

Out[38]:

YearOfRelease	TotalGlobalSales
2006	189.2
2009	140.3
2008	123.2
2007	95.6
1996	79.7
2005	78.5
2010	69.6
1999	59.4
2002	59.4
2013	59

In [8]:
```
WITH YearlyTopGames AS (
    SELECT
        VgName, Global_Sales, YearOfRelease,
        ROW_NUMBER() OVER (PARTITION BY YearOfRelease ORDER BY Global_Sales DESC)
    FROM
        GameSales.dbo.VideoGamesSales
    WHERE
        Global_Sales IS NOT NULL
        AND YearOfRelease IS NOT NULL
)
, TopGames AS (
    SELECT VgName, Global_Sales, YearOfRelease
    FROM YearlyTopGames
    WHERE RowNum = 1  -- Get only the top-selling game for each year
)
SELECT
  VgName, Global_Sales, YearOfRelease
FROM TopGames
ORDER BY Global_Sales DESC
OFFSET 0 ROWS FETCH NEXT 10 ROWS ONLY;  -- Fetch the top 10 years with the highest
```

(10 rows affected)

Total execution time: 00:00:00.212

Out[8]:

VgName	Global_Sales	YearOfRelease
Wii Sports	82.53	2006
Super Mario Bros.	40.24	1985
Mario Kart Wii	35.52	2008
Wii Sports Resort	32.77	2009
Pokemon Red/Pokemon Blue	31.37	1996
Tetris	30.26	1989
Duck Hunt	28.31	1984
Nintendogs	24.67	2005
Pokemon Gold/Pokemon Silver	23.1	1999
Wii Fit	22.7	2007

In [11]:
```sql
SELECT CAST(YearOfRelease as VARCHAR(4)) AS ReleaseYear,
       SUM(NA_Sales) AS North_America_Sales,
       SUM(EU_Sales) AS EuropeSales, SUM(JP_Sales) AS JapanSales
FROM GameSales.dbo.VideoGamesSales
WHERE YearOfRelease IS NOT NULL
GROUP BY YearOfRelease
ORDER BY YearOfRelease;
```

(36 rows affected)

Total execution time: 00:00:00.226

Out[11]:

ReleaseYear	North_America_Sales	EuropeSales	JapanSales
1981	3.9000000000000004	0.22999999999999998	0
1982	7.28	0.45	0
1983	0.51	0.12	1.63
1984	28.97	1.1099999999999999	1.85
1985	29.259999999999998	3.81	8.34
1986	1.33	0.31	3.69
1987	0.14	0.03	1.98
1988	17.9	5.3100000000000005	6.35
1989	39.59	6.37	10.709999999999999
1990	18.509999999999998	5.109999999999999	6.16
1991	3.03	0.91	0.26

1992	25.02	7.7700000000000005	17.92
1993	7.99	2.7	3.41
1994	11.88	4.88	6.19
1995	6.32	3.08	9.93
1996	36.809999999999995	20.08	20.49
1997	18.21	11.04	3.5000000000000004
1998	24.08	12.589999999999998	8.629999999999999
1999	30.53	13.26	14.110000000000001
2000	12.41	8.01	5.34
2001	31.66	15.54	7.36
2002	32.48999999999999	13.549999999999995	10.959999999999999
2003	18.17	8.82	4.550000000000001
2004	22.049999999999997	13.81	12.489999999999998
2005	31.22	25.849999999999998	14.409999999999998
2006	87.91000000000003	58.45	24.450000000000006
2007	43.68000000000001	28.570000000000004	12.629999999999999
2008	61.939999999999976	34.800000000000004	15.239999999999997
2009	67.18	42.48	17.919999999999995
2010	28.15	18.060000000000002	18.4
2011	28.110000000000003	17.82	6.199999999999999
2012	11.84	9.65	12.03
2013	25.509999999999998	18.84	9.88
2014	20.639999999999997	15.380000000000003	8.67
2015	7.54	6.5600000000000005	2.09
2016	2.98	1.45	2.26

In [ ]:
```
Sales Per Region, identitfying which region sells the most games per year. We can
```

In [ ]:

In [2]:
```
SELECT TOP 12 VGName, Platform, NA_Sales
FROM GameSales.dbo.VideoGamesSales
ORDER BY NA_Sales DESC
```

(12 rows affected)

Total execution time: 00:00:00.038

Out[2]:

VGName	Platform	NA_Sales
Wii Sports	Wii	41.36000061035156
Super Mario Bros.	NES	29.079999923706055
Duck Hunt	NES	26.93000030517578
Tetris	GB	23.200000762939453
Mario Kart Wii	Wii	15.680000305175781
Wii Sports Resort	Wii	15.609999656677246
New Super Mario Bros. Wii	Wii	14.4399995803833
Wii Play	Wii	13.960000038146973
Super Mario World	SNES	12.779999732971191
New Super Mario Bros.	DS	11.279999732971191
Pokemon Red/Pokemon Blue	GB	11.270000457763672
Super Mario Land	GB	10.829999923706055

In [2]:

```sql
SELECT TOP 12 VGName, Platform, JP_Sales
FROM GameSales.dbo.VideoGamesSales
Where JP_Sales > 0.07
ORDER BY JP_Sales
```

(12 rows affected)

Total execution time: 00:00:00.047

Out[2]:

VGName	Platform	JP_Sales
Cooking Mama	DS	0.07000000029802322
Spyro the Dragon	PS	0.07000000029802322
Batman: Arkham Asylum	PS3	0.07000000029802322
Saints Row: The Third	X360	0.07000000029802322
Uncharted: The Nathan Drake Collection	PS4	0.07999999821186066
Tomb Raider (2013)	PS3	0.07999999821186066
Fallout 3	X360	0.09000000357627869
Batman: Arkham Knight	PS4	0.10000000149011612
Metroid Prime	GC	0.10000000149011612
Batman: Arkham City	PS3	0.10999999940395355
Uncharted: Drake's Fortune	PS3	0.11999999731779099
Tomb Raider III: Adventures of Lara Croft	PS	0.11999999731779099

In [1]:
```sql
SELECT YearOfRelease,
    ROUND(SUM(Global_Sales), 1) AS TotalGlobalSales
FROM GameSales.dbo.VideoGamesSales
WHERE Global_Sales IS NOT NULL AND YearOfRelease IS NOT NULL
GROUP BY YearOfRelease
ORDER BY YearOfRelease;
```

(36 rows affected)

Total execution time: 00:00:00.049

Out[1]:

YearOfRelease	TotalGlobalSales
1981	4.2
1982	7.8
1983	2.3
1984	32.5
1985	42.2
1986	5.4
1987	2.2
1988	30.3
1989	57.9
1990	30.5
1991	4.3
1992	51.9
1993	14.5
1994	23.9
1995	19.8
1996	79.7
1997	34.1
1998	47
1999	59.4
2000	28
2001	57.5
2002	59.4
2003	33.2
2004	51.6
2005	78.5
2006	189.2

Year	Value
2007	95.6
2008	123.2
2009	140.3
2010	69.6
2011	57.6
2012	35.5
2013	59
2014	49.3
2015	18.7
2016	7.1