

Steam Games

Data Exploration results : (SQL)

- The data has been collected over the past

- The highest rating category is with over record and from the hole data .
- And the Lowest one is the with less than record and .

Category	count	per
Positive	12569	27.6102
Very Positive	11678	25.6530
Mixed	11053	24.2800
Mostly Positive	7861	17.2682
Mostly Negative	1568	3.4444
Overwhelmingly Positive	794	1.7442

- is the most supported operating system .

win	count	per
True	44750	98.3020
False	773	1.6980

- unlike and :

Mac	count	Per
True	11873	26.0813
False	33650	73.9187

Linux	count	per
True	8218	18.0524
False	37305	81.9476

- Almost all the games supports steam deck

Steam dexk	count	per
True	45522	99.9978
False	1	0.0022

- Some calculations for different games categories .

game category	games count	Average of recommendations	Average of reviews	Average price	Average of played hours
Very Positive	11678	352	771	9	12418
Positive	12569	8	22	6	85
Mixed	11053	70	247	7	4254
Mostly Positive	7861	142	371	8	6764
Overwhelmingly Positive	794	1240	2710	10	31170
Mostly Negative	1568	20	157	7	951

- The number of the high price games (> 30\$) are
- And only pf them are rated witch is about

- The highest price games is a rated game

title	rating	price	discount	release date
Dokapon Kingdom Connect	Positive	42	0	2023-09-07

- We have only 2 game that have a Positive rating witch is about 2% of the hole data , WITH only 2 ones .

title	rating	price final	discount	release date
Injustice 2 Black Manta	Positive	2.39	60	2017-11-14
The Last Wizard	Positive	2.99	40	2018-08-03
Batman Arkham Knight GCPD Lockdown	Mostly Positive	0.99	50	2015-10-28
Street Fighter V Capcom Pro Tour 2016 Pack	Positive	4.99	50	2017-10-24
Old Man s Journey	Very Positive	3.99	50	2017-05-17
Mibibli s Quest	Very Positive	2.99	50	2016-08-04
SoulSet	Very Positive	8.49	50	2017-02-07
Shotgun Farmers Grow Your Guns	Very Positive	4.99	50	2019-03-08
12 Labours of Hercules III Girl Power	Very Positive	1.49	50	2015-08-07
Diner Bros	Very Positive	5.99	40	2018-07-06
The Witch The 66 Mushrooms	Very Positive	3.49	50	2020-11-07

- The number of games released every year is constantly increasing

year	count
1997	2
1999	2
2000	1
2001	1
2003	2
2004	1
2005	1
2006	44
2007	62
2008	121

year	count
2009	269
2010	238
2011	332
2012	502
2013	695
2014	1647
2015	2619
2016	3786
2017	4498
2018	4899
2019	4554
2020	5570
2021	6070
2022	6501
2023	3106

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- However, the average playing hours for each game per year are clearly decreasing , but the sumbntion of playing hours for all the games is increasing.

year	avg_of_played_hours_for_each_game	sum_of_played_hours
1997	26441	52881
1999	75357	150714
2000	75094	75094
2001	48116	48116
2003	177566	355133
2004	106510	106510
2005	116	116
2006	15773	694032
2007	26975	1672478
2008	20306	2456980
2009	19322	5197617

year	avg_of_played_hours_for_each_game	sum_of_played_hours
2010	13221	3146574
2011	15499	5145773
2012	15973	8018639
2013	13864	9635623
2014	11473	18895801
2015	8947	23433477
2016	5853	22160841
2017	5805	26110594
2018	6093	29850597
2019	5669	25818357
2020	5088	28340411
2021	4995	30317496
2022	4189	27231498
2023	1159	3600162

- and the same with number of recommendations and number of reviews

year	avg_of_recommendations_for_each_game	sum_num_of_recommendations
1997	1912	3824
1999	1842	3685
2000	3484	3484
2001	1300	1300
2003	2200	4399
2004	4930	4930
2005	26	26
2006	549	24140
2007	858	53206
2008	503	60833
2009	487	130908
2010	377	89774
2011	368	122227
2012	344	172697

year	avg_of_recommendations_for_each_game	sum_num_of_recommendations
2013	363	252578
2014	286	471740
2015	214	559639
2016	183	691155
2017	150	675782
2018	136	665028
2019	161	731595
2020	145	807280
2021	133	804283
2022	112	729981
2023	20	61168

year	avg_of_user_reviews_for_each_game	sum_num_of_user_reviews
1997	1379	2757
1999	3307	6613
2000	3395	3395
2001	1757	1757
2003	1829	3657
2004	10654	10654
2005	44	44
2006	1062	46726
2007	1790	110994
2008	1102	133328
2009	909	244484
2010	876	208394
2011	723	240083
2012	755	379108
2013	699	485996
2014	617	1016117
2015	479	1253814
2016	383	1449613
2017	324	1456529

year	avg_of_user_reviews_for_each_game	sum_num_of_user_reviews
2018	292	1428896
2019	372	1695400
2020	328	1827944
2021	319	1938392
2022	314	2041075
2023	428	1328401

- This often happens due to the huge increase in the number of games published each year, which weakens the demand for most of them.

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- here is the month that has the maximum number of games each year

year	month	max number of games
1997	6	1
1997	11	1
1999	4	1
1999	9	1
2000	11	1
2001	6	1
2003	5	1
2003	11	1
2004	6	1
2005	10	1
2006	2	1
2006	3	1
2006	4	1
2006	8	17
2007	3	18
2007	5	1
2008	10	18
2009	10	36
2010	4	31

year	month	max number of games
2011	5	31
2011	8	36
2011	10	40
2011	11	31
2012	4	40
2012	10	67
2013	10	99
2014	5	207
2015	10	263
2016	12	397
2017	9	457
2018	3	460
2019	5	427
2019	10	397
2020	10	543
2021	2	457
2021	3	565
2022	10	596
2023	2	522
2023	3	522

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- here is the sum of games prices each year

game	sum of games prices
1997	10
1999	5
2000	5
2001	5
2003	12
2004	10
2005	1

game	sum of games prices
2006	304
2007	470
2008	1049
2009	2580
2010	1912
2011	2608
2012	4406
2013	6054
2014	13125
2015	19059
2016	25512
2017	30680
2018	32678
2019	32637
2020	40013
2021	43075
2022	49505
2023	27180

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- The average positive ratio and average price for each game category

game category	average positive ratio	average price
Overwhelmingly Positive	96	10
Positive	91	6
Very Positive	89	9
Mostly Positive	75	8
Mixed	58	7
Mostly Negative	32	7

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- There is no clear relationship between the age of the game and its quality

game category	game age
Mixed	6
Mostly Positive	6
Mostly Negative	6
Very Positive	5
Overwhelmingly Positive	5
Positive	4

The End