1. Data Obtained from: <https://www.kaggle.com/datasets/antonkozyriev/game-recommendations-on-steam?select=games.csv>
2. While Windows has the most available games, I want to know if users with other operating systems more or less satisfied with the games that are available to them. Which operating system has the highest percent of positive feedback for games available on that operating system. Get the number of games where rating is “Very Positive” or “Positive” over the total number of reviews for games available in each of the operating systems.
3. What is the average number of hours played per user for games that have 100,000 recommended? Get Average hours per user by taking the sum of hours divided by number of users for all games having over 100,000 recommendations (is\_recommended = TRUE).
4. I want to know if game ratings in general improve over time. For all games that where initially released in 2013 or later, which year had highest percent of positive feedback? Get the percent of positive by dividing apps with positive or very positive feedback by total number of applications released for each year from 2013 to 2023.
5. I want to know if people are more likely to leave a review if they spend more money on a game. Which price point has the most reviews per game (according to the recommendations data set which is different from the number of reviews in the games data set) in 2022? Rounding price\_final to the nearest ten, get total number of reviews divided by number of games for each price group.

iii.

1. Linux has the highest percent of games with positive feedback

|  |  |  |
| --- | --- | --- |
| windows | mac | linux |
| 51.77 | 56.06 | 56.94 |

1. 216.51
2. Game ratings are improving over time. The percent of games with positive feedback has improved every year since 2013.

|  |  |
| --- | --- |
| year\_released | positive\_percent |
| 2023 | 65.4306569 |
| 2022 | 60.2752925 |
| 2021 | 60.1860053 |
| 2020 | 55.5338223 |
| 2019 | 51.0381649 |
| 2018 | 45.907343 |
| 2017 | 44.5580277 |
| 2016 | 44.0009503 |
| 2015 | 42.8282146 |
| 2014 | 41.3846955 |
| 2013 | 48.296837 |

D. Users who spend about $60 on a game are most likely to leave a review.

|  |  |
| --- | --- |
| g.price\_group | reviews\_per\_app |
| 0 | 143.98878167867937 |
| 10 | 158.82120765832107 |
| 20 | 585.1860271693929 |
| 30 | 1406.846827133479 |
| 40 | 2368.823244552058 |
| 50 | 2218.8311688311687 |
| 60 | 4524.596273291925 |
| 70 | 2799 |
| 80 | 89.3 |
| 90 | 41 |
| 100 | 12.40983606557377 |
| 110 | 5 |
| 120 | 11 |
| 130 | 9.666666666666666 |
| 150 | 21.5 |
| 200 | 12.125 |
| 270 | 19 |