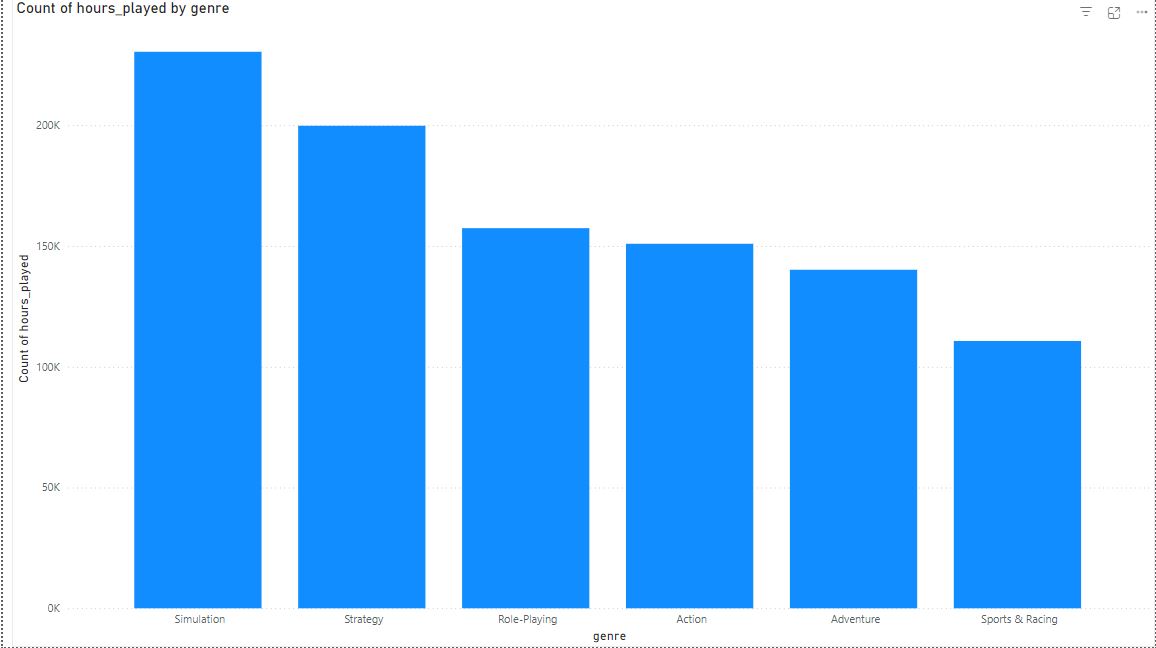
CST8912-Midterm Project

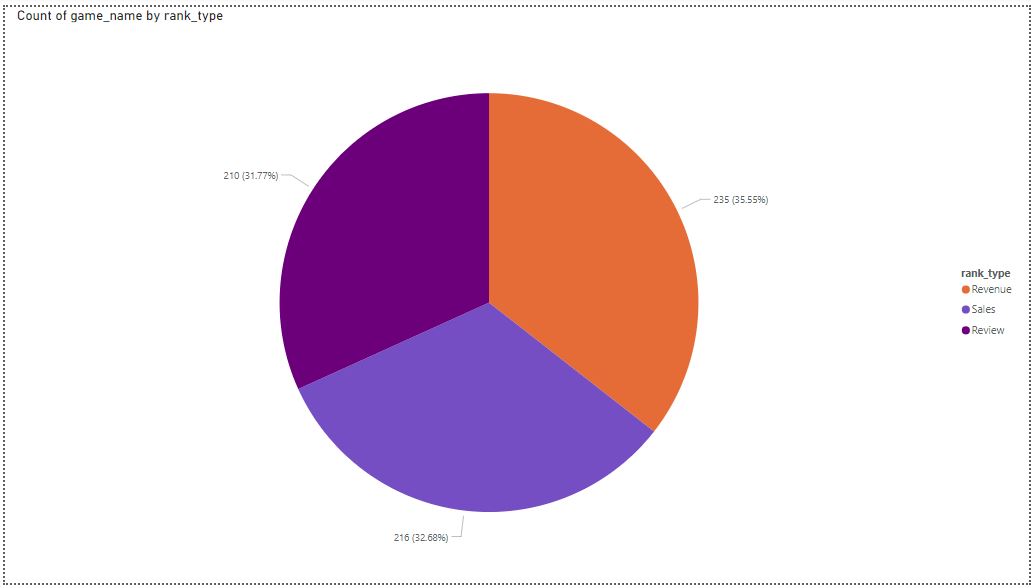
Scenario 2:

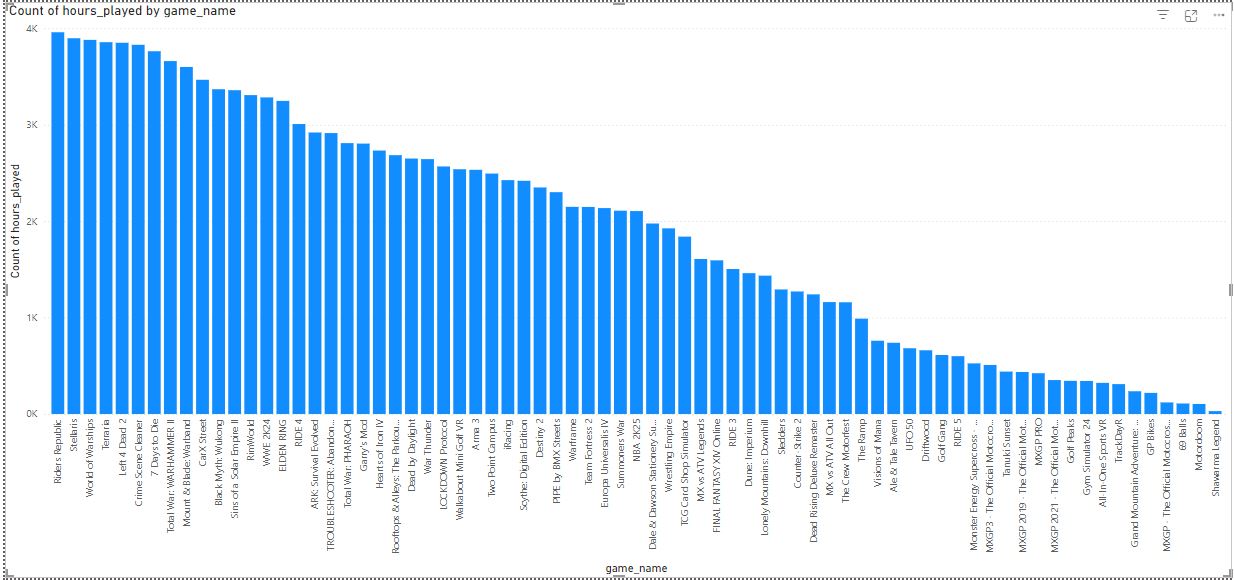
In azure, students must utilize a set of source data (e.g., customer data, transaction data) curated themselves or use data off websites like Github or Kaggle, and load it into Azure Blob Storage. Create a data warehouse in Azure Synapse Analytics and use PolyBase to load data from Azure Blob Storage. Utilize T-SQL scripts to transform the data in the data warehouse (e.g., aggregating, pivoting, and joining data). Finally create a Power BI report that queries the data warehouse and presents it in a meaningful way for stakeholders. The students will be evaluated on their ability to configure, secure, and optimize the Azure blob storage, Azure Synapse Analytics, and PolyBase. Following correct security protocols and best practices.

# Discussion Results:

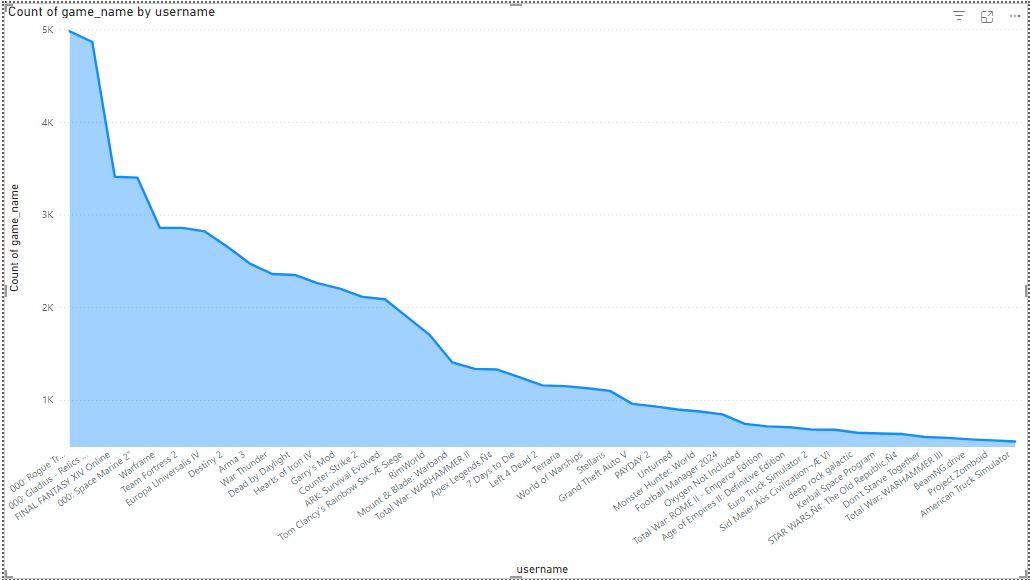


From the graph above, we analyze the data of how much hours are played for each genre. We see that Simulation is the most played and Sports and Racing is the least played.

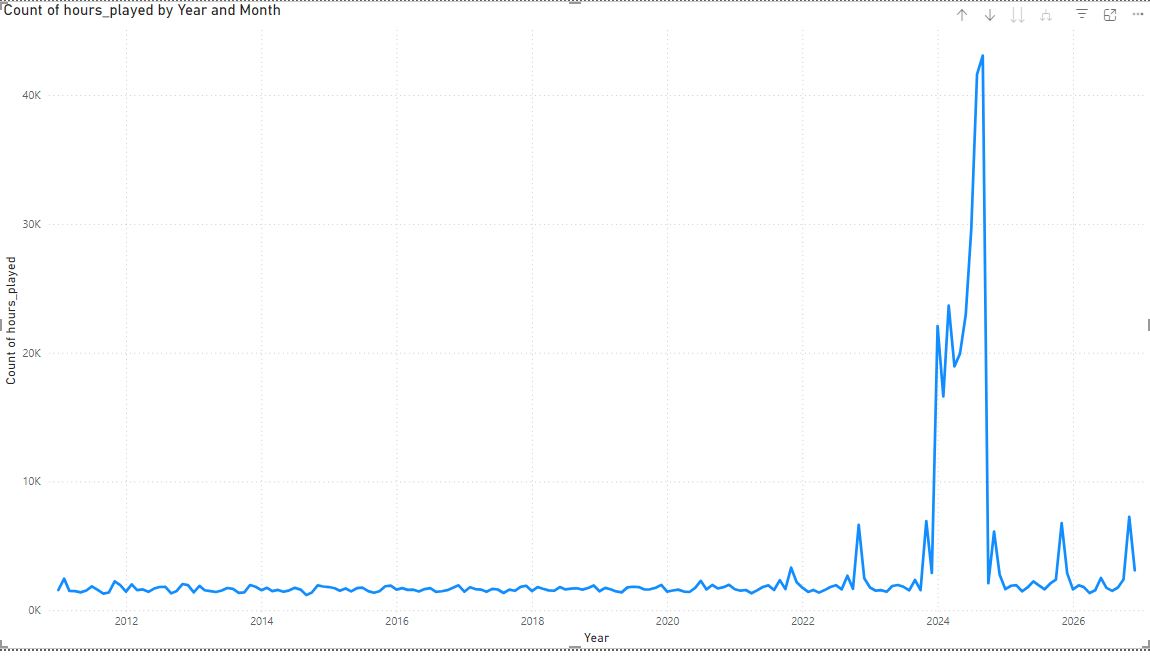


We analyzed the relation between the number of games and the type of rank. We see that each type of rank is almost evenly distributed with the highest being revenue and the lowest review.

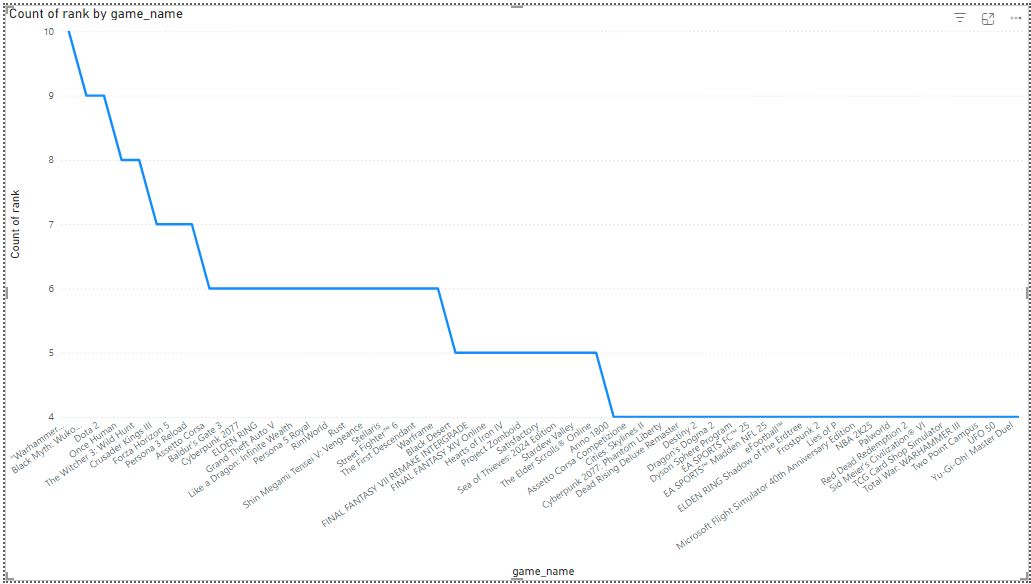
This graph shows the total amount of hours that each game is played that is less than 4,000 hours. Riders Republic is the most played and the least played is Shawarma Legend.

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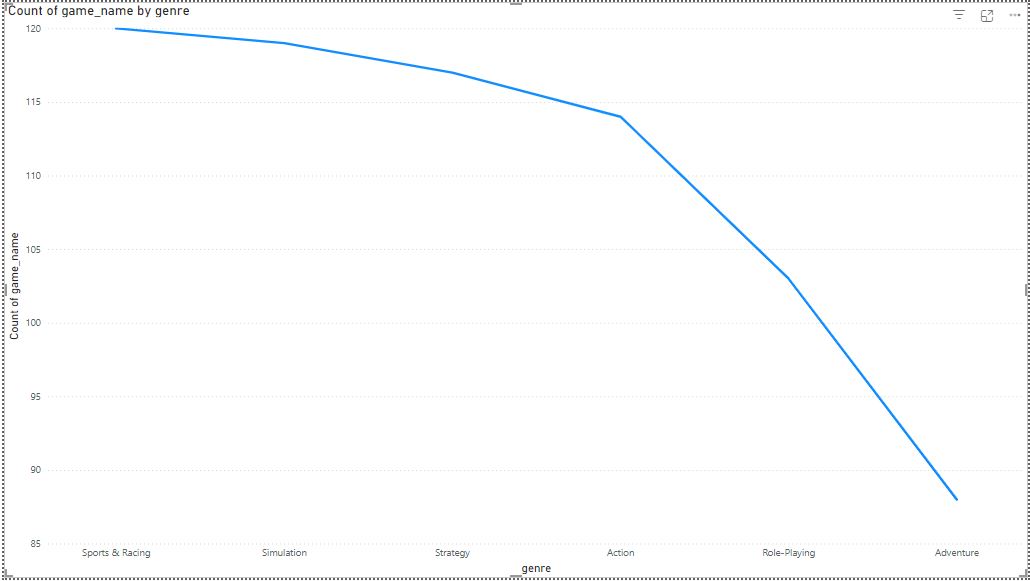
The line chart above shows how many games are played by the username. The number of games played needs to be above 500 hours. We see that 000: Rogue Trader is the user who has the greatest number of games played.

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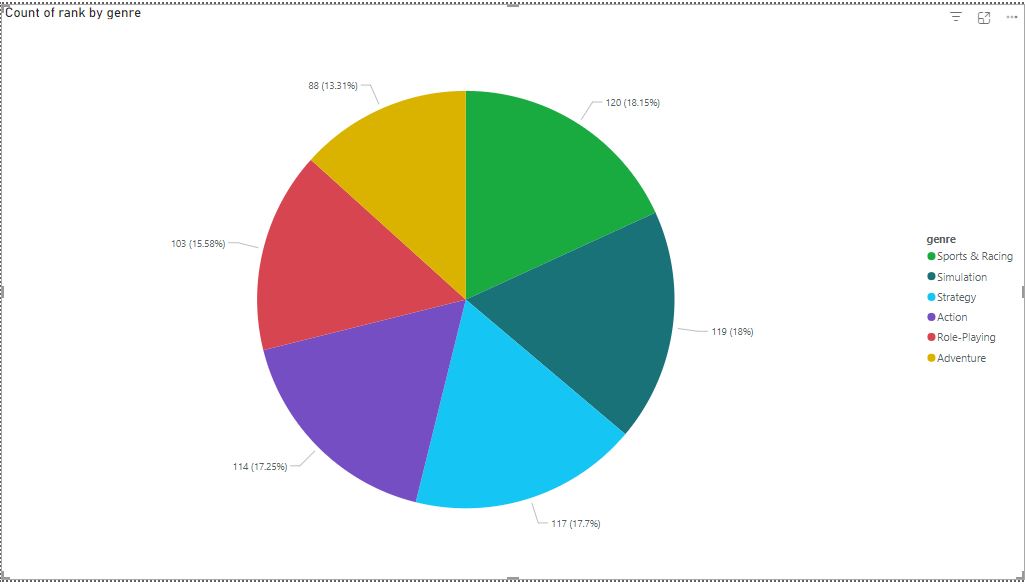
From the line chart above, the total number of hours played is categorized by the months of each year. We see that in the year 2024 has the most hours played and September has the most hours played during the year 2024.



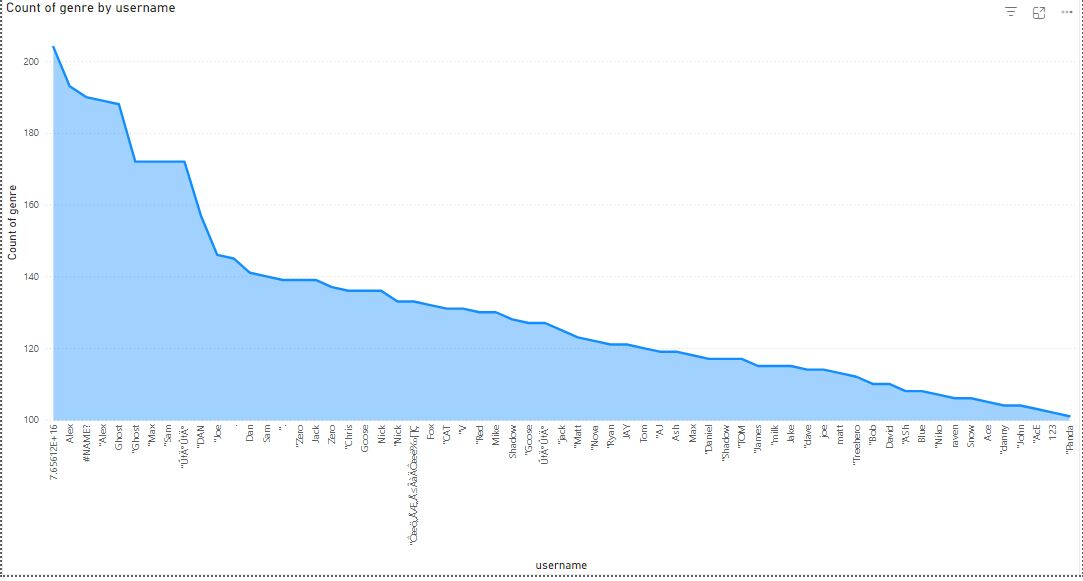
This line graph shows the relation of rank and game name. The game that has the highest is Warhammer 40k.



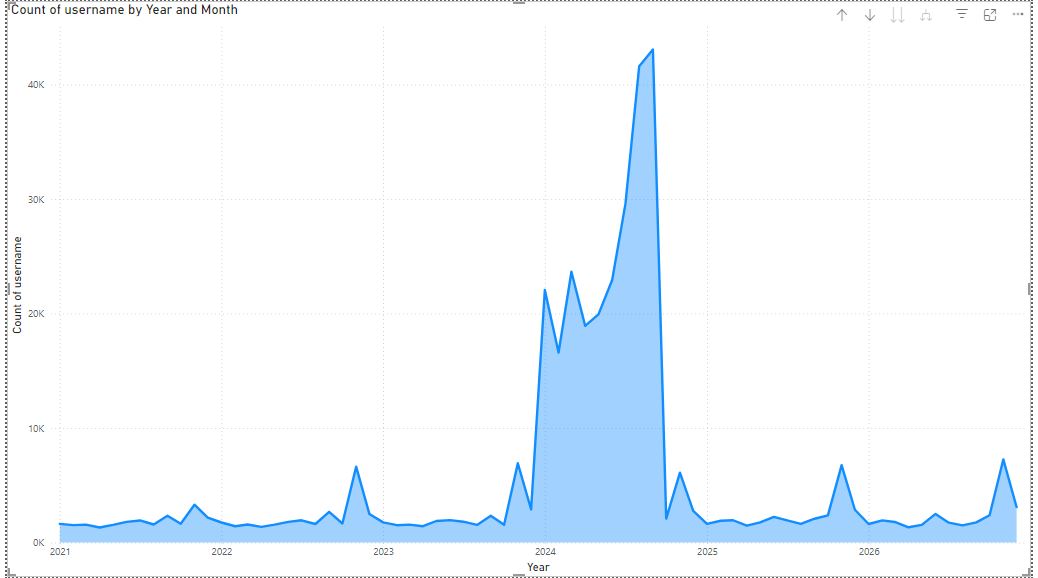
The line graph shows the relation of how many games are in each genre. We see that there are more games in the Sports and Racing genre. There is a big slope between Action and Role-playing which means the number of games decrease from Action to Role-Playing. The Adventures genre has the lowest number of games.



The pie chart shows how many ranks are in each genre. We see that the Sport and Racing has the largest amount that has the rank and Adventure has the lowest amount of rank.



This shaded line graph shows the relation between the number of genres played by the username. We see that 7.65612E+16 has the most genres played in the graph.



This shaded line graph shows the relation between how many users made their reviews each month. During the year 2024, a lot of users made many reviews and in September had the most reviews.