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Write Up

Like all types of genres in games, shooting-based games fulfill the wants of a certain group of players when it comes to video games. Shooting games are often divided amongst the perspective of the player, whether the game depicts the player as a fictitious character (Third Person) or the player themselves (First-Person). The shooting genre involves use of long ranged weapons which players use to aim and shoot their target. We chose first-person shooter or FPS for short because it adds a sense of ones' self as we, the gamer is meant to envision our avatar as ourselves. We believe that this dataset can provide an answer to the standing of the FPS genre among other genres.

The dataset we used for our data visualization contains games found on Steam (which the video game distribution was serviced by Valve). This dataset contains majority of the Steam games that was gather in May 2019 with the exclusion of games release at the time of May 209 and non-game software. The dataset includes the name, description of the game, reviews, the release date of the game, the developer and publisher, the tags in the game, the game details, languages the game can be played in, achievements, genre, the minimum and recommended requirements for playing the game, and the prices of them. While looking through the dataset, we developed questions that can be answered through the dataset. Our group had a common interest towards Shooting-based games, specifically FPS games (First Person Shooter), so we asked, "How popular are FPS games among other video game genres?" We also asked other sub questions that was related to our big question which is "How many FPS games are out there out of other genres?" and "Does the studio that worked on the game help with its popularity?" After creating our data analysis, we came with results that did not answer quite well. In our results we were finding how popular are FPS games, but we came to halt that there was limited information

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on games based on just popularity, probably because you will have to find the revenue made by each FPS games total compared to other genres, but the dataset did not include that data which makes gauging popularity difficult.
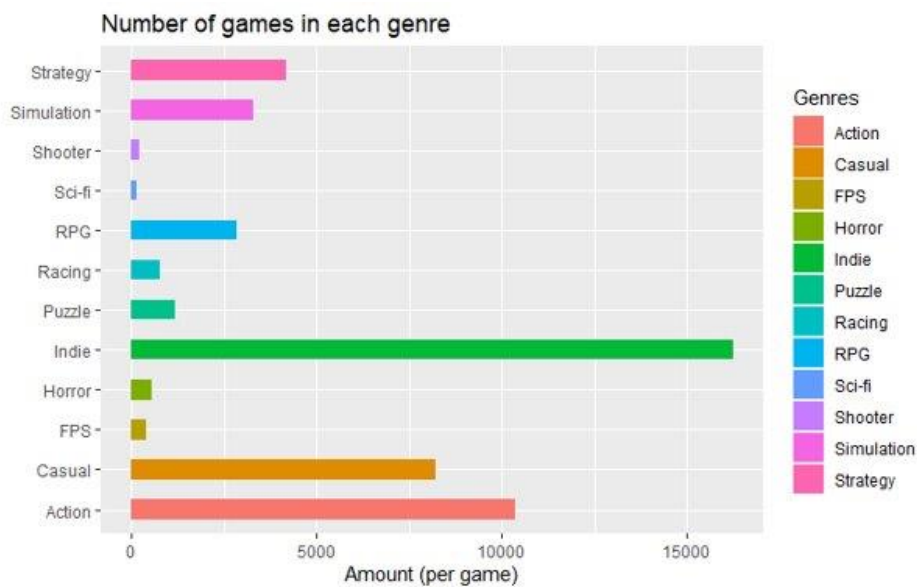

Fig. 1 "Number of games in each genre"

In figure. 1, we wanted to see the quantity of game titles among genres. Through the process of creating a bar graph, we discovered that the FPS genre only makes up about 1.5% of games on Steam compared to other more broader genres such as Action (includes physical challenges) or Indie (games created by individuals or small developer groups with the financial and technical aid of publishers) which makes up 60% of Steam games. We learned that FPS is a specific genre compared to others.

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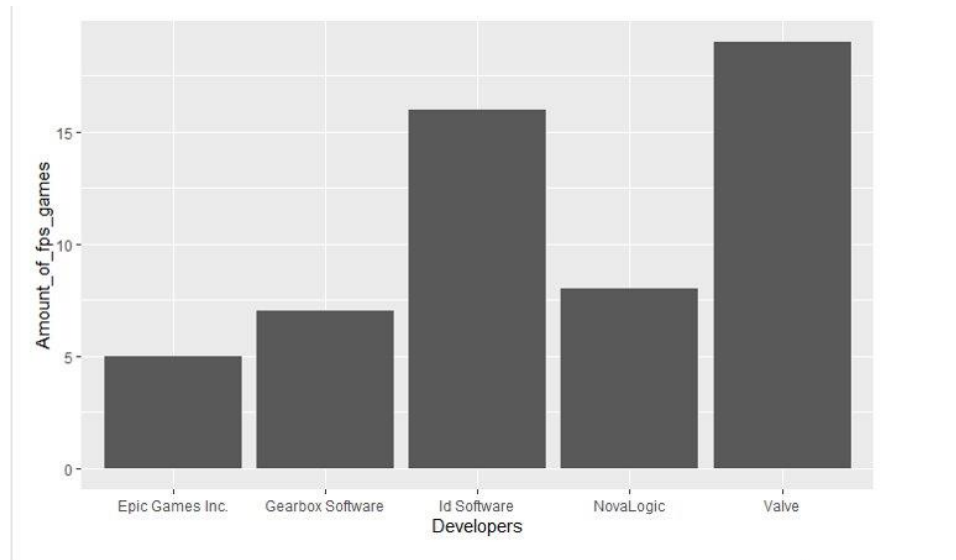Campbell, Christopher Ponds,
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Fig. 2 "Top 5 FPS Game Developers"

In figure 2, we wanted to know if there was correlation between the studio creating the FPS games, and the popularity of them, so we created a graph that shows the top 5 studios that created the most FPS games from Steam, with Valve winning with 19 created FPS games.

Conclusion

If we were able to start over, I believe that we would have used more graphs to add more evidence in the form of graphs along with more questions. We had ideas for questions such as have a bar chart with the number of games in each genre or tag, histogram showing an increase or decrease in FPS games overtime, filter publisher/studios who are making a majority of FPS content and make a top 5, and comparing reviews of the top 3-5 genres.

Through our research question we have learned that FPS games are a minority of video games on steam. They only take up 1.5% of the games on steam and only a select few companies make them. Although they are a minority, there are some very well-known and popular FPS

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series that have a huge player base. Games like Counter Strike and Team Fortress are on the top

10 most played games on steam to this day even though they are old. Indie games take up almost

60% of the games on steam and this is only because indie games can be made by anybody. FPS

games are usually made by well-known companies such as Valve, Activison, Devolver and

more. It's debatable how popular FPS games are since there are so many other types of games,

but FPS games made by big companies usually have a lot of players even as they start becoming

older.