

Business Understanding

- First-person shooter multiplayer game developed by Valve.
- Released in 2012.
- Reached its 10th anniversary last year.
- Celebrate the fun 10 years that I had watching and playing CSGO.

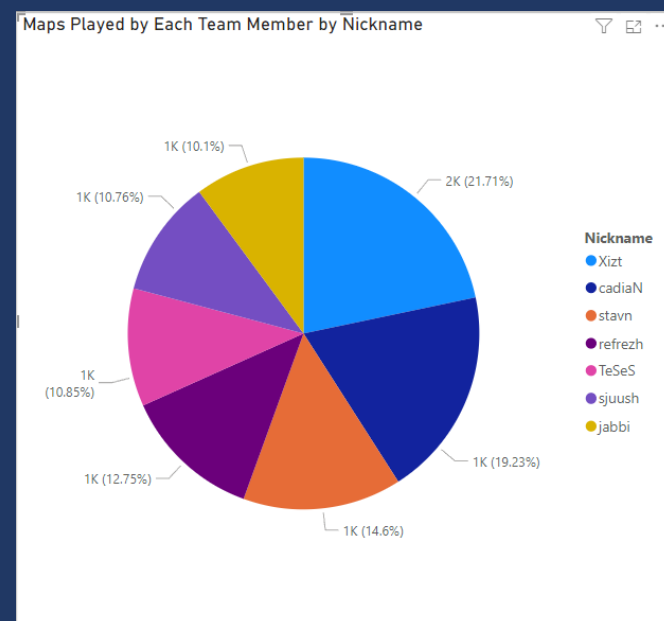
Data Documentation

- Retrieved from Kaggle.
- Consists of 456 rows and 19 columns.
- no missing values, some names with special characters.
- Some data was already aggregated.

Tools and Documentation

- Tool used was PowerBI.
- Wanted to learn PowerBI.
- Simple UI but hard to find specific features.
- Dataset worked well with PowerBI.

Maps Played by Each Team Member



- Visualizes the damage per round by each member.
- stavn has the highest damage per round in the team even though he only has the third highest maps played
- I expected cadian to have a pretty high ADR since he uses a sniper which is most of the time a one-hit kill.
- More rounds does not necessarily mean more damage.

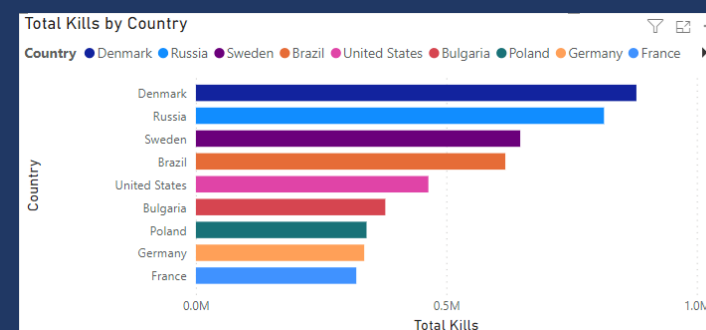
Total Player Count by Country



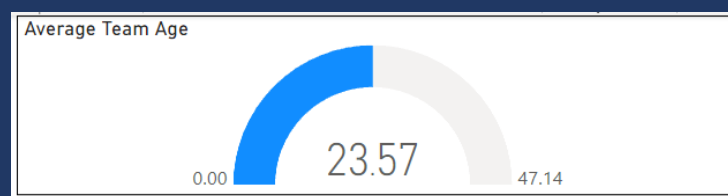
- Visualizes the player count in each country
- Countries are indicated by color and count by circle size
- Russia has the largest player base with 51 followed by Denmark with 47 and then Brazil with 41
- Guatemala, Hong Kong, Korea, Lithuania, Malaysia, Serbia, Switzerland, Taiwan, Turkey, and Uzbekistan has the lowest player base with one.

Total Kills by Country

- Visualizes the total in-game kills by each country.
- Denmark has the highest kills with 879404 followed by Russia with 814673 and Sweden with 647469.
- Countries with the total lowest kills are Lithuania (6546), Taiwan (7439), and Switzerland (7748). They also have the lowest player base.



Average Team Age



- Team used is Heroic
- Uses a gauge chart.
- Heroic has an average player age of 23.57.

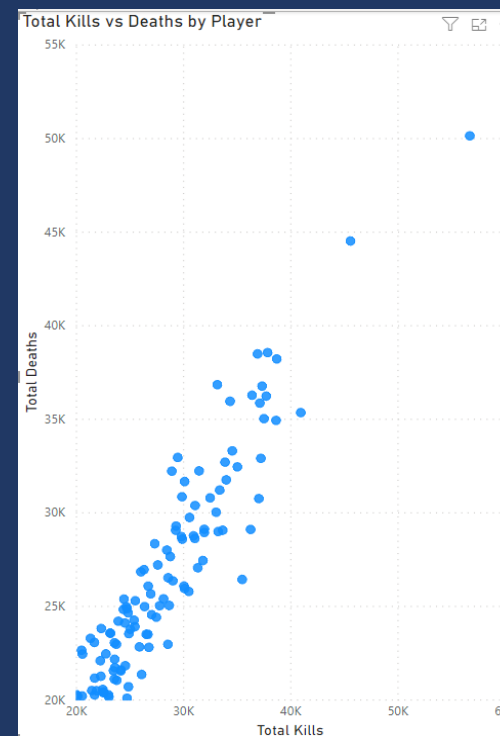
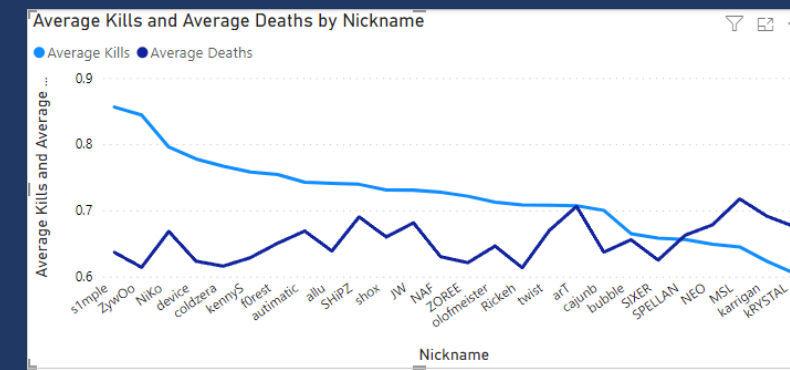


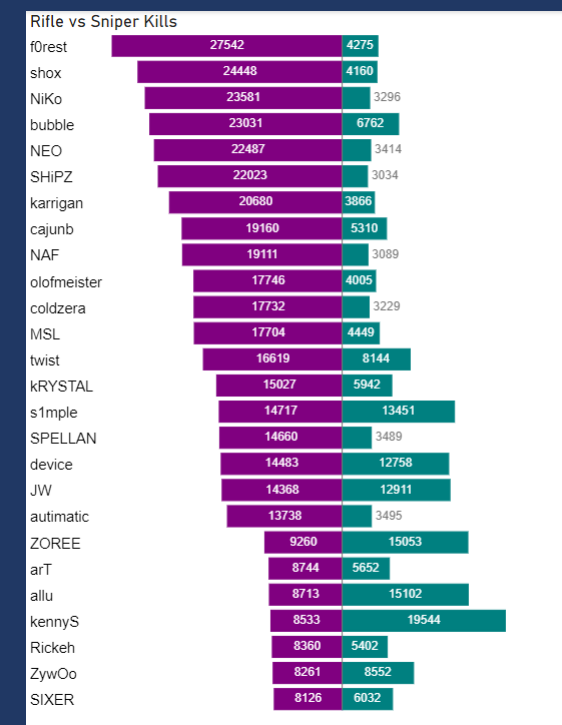
Tableau vs PowerBI

- Similarities:
 - Symbol or fill map
 - Color to indicate country
 - Circle size indicates count
- Differences:
 - Background color of the map chart
 - Tableau repeats its colors after it uses all available ones.
 - Cannot show labels in PowerBI
 - Tableau has a gradient in the legend to show different sizes



Average Headshot Percentage

- Visualizes the average headshot percentage of each player.
- f0rest has the highest headshot percentage at 0.52 followed by NiKo and SHIPZ with 0.50, and coldzera and shox with 0.49.
- Players with the lowest headshot percentage, they are allu with 0.29, kennyS with 0.31, and ZOREE with 0.32.

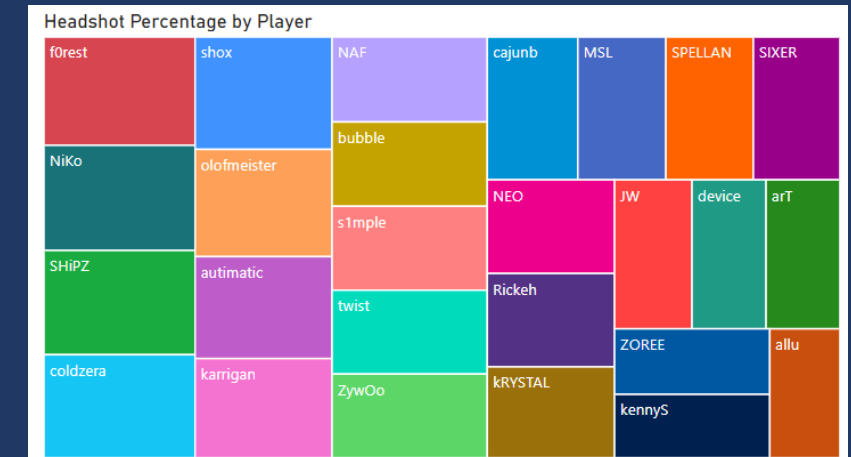


Total Kills vs Deaths of a Player

- Visualizes the total kills and deaths of a player.
- Motion is used.
- NiKo has a whopping 56745 kills and 50120 deaths.
- alex is second with 45620 kills and 44499 deaths.
- furlan is third with 37890 kills and 38534 deaths.
- rmn has the lowest kills vs deaths with 20149 kills and 20180 deaths
- MODDII is second with 20585 kills and 20184 deaths.
- xsepower is third with 24769 kills and 20066 deaths.

Average Kills and Deaths of a Player

- Visualizes average kills and deaths of a Player.
- Used a filter to get players with over 8000 kills and 3000 deaths.
- s1mple has the highest average kills per round at 0.86 followed by ZywOo with 0.84, then NiKo with 0.80.
- Krystal, karrigan, and MSL have the lowest kills per round with 0.61, 0.62, and 0.64 respectively.
- Players with the highest average deaths per round are MSL (0.72), Krystal (0.71), and a tie between karrigan (0.69) and SHIPZ (0.69).
- Players with the lowest average deaths per round are ZywOo and R1ckeh with 0.61, device, coldzera, and ZOREE with 0.62, and kennyS, NAF, and SIXER with 0.63.



Rifle vs Sniper kills

- Visualizes the rifles vs snipers kill count.
- The players with the highest rifle kills are f0rest, shox, and NiKo.
- The player with the lowest number of rifle kills is SIXER followed by ZywOo and R1ckeh.
- The player with the highest number of sniper kills is kennyS followed by allu and ZOREE.
- The player with the least number of sniper kills is SHIPZ followed by NAF and coldzera.

The Three Ws

What Went Well

- Learned how to use PowerBI's features.
- PowerBI and data were easy to work with.
- Good PowerBI documentation.
- Plenty of data to work with.
- Achieved good visualizations.

What Did Not Go Well

- Could not show labels in the charts.
- Slicer was needed in some charts due to too much data.
- Data does not allow for much calculated fields.
- Some data was already aggregated.

What I Would Do Differently

- Learn more about PowerBI.
- Use a more complex dataset.
- Compile my own data.
- Use more complex charts.

