

Pokémon Competitive analysis

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WGU/Udacity

Final Project Write Up

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Summary

This is an exploration of datapoints in the main line competitive Pokémon games. This looks at the creatures themselves, and the foundational attributes that make them viable in competitive battles. Specifically, this will be looking at their stats to look for trends and surmise viability in a competitive environment.

Design

Initially I created visualizations for each of the main traits of each Pokémon so that I could see what was going on. I just played with it. I tried the suggested visualization that Tableau suggested, then tried other ones with the same data points to see what would happen. As seen in my version 1 of the project (link down below titled Work In Progress Feedback v1) I had data for each Pokémon type as well as their battle stats. I noticed some interesting trends in this data, but after having the project reviewed decided it was becoming too general and dropped that one aspect to focus more tightly on only the stats of each creature. From the feedback, I also became aware that I needed to make the visualizations more focused and interesting, so I used more color to show meaning, as well as changing filtering and fit of most of the graphs to make more sense. I also added a Median line, got my colors for each stat consistent, and reworded explanations. I finished by making sure I was more focused on showing the insights I had gathered from the data and making it more coherent for the reader to follow the logic, while also trying to make it more interesting as a read for the viewer. I have already had a lot of people look at my visualization on the website I found out! As of today, I have had 56 people look at the first v1 of the project, 21 look at v2, and 16 look at v3! This is rather exciting! There isn't a way to have feedback from people that view it on the Tableau website unfortunately, but it is still fun to see that there is an interest in the subject. The dataset was gotten from the Pokemondb.net (link in Resources), then cleaned by myself.

Feedback

I asked Moriah Harris-Burke, my partner, to review the project. She is a business analyst for a financial technology company and has a lot of experience with graphs designed for management. She also had almost no experience with Pokémon so the information would all be new to her. I recorded her while she navigated my project, where she spoke what she was thinking, as well as asked any questions she had so that I could then see about clarifying the project to anticipate such questions. It proved to be very useful feedback. She had feed back on some spelling and grammar issues that were present. As I watched her interact with the graphs, I became aware that I needed to make navigation more intuitive. I also found out from watching her that I needed change the fit of some of the graphs. I saw that some of the color choices seemed to not make sense to her. Rewording some sentences also needed to happen as she had no prior experience with the subject. It was also challenging for her to interact with some of the graphs. This proved to be a valuable feedback session. She reviewed the first version of the project, titled WGU Final Project (in Resources as Work In Progress Feedback v1).

After making the suggested modifications which became version 2 (in Resources as WIP v2), I then reviewed the rubric carefully again and decided that some additional refinements were needed for

clarity. I removed parts that were interesting but did not help the main focus of the project, reworded a few other parts, added a few more graphs to aid in understanding, and finished polishing the project. This was the final 3rd version (in Resources as Final Project) and is what I am submitting as the end of the many steps I took in this Tableau Story experience.

Resources

Final Project:

https://public.tableau.com/views/WGUFinalProjectv3/Story3?:language=en-US&:display_count=n&:origin=viz_share_link

WIP v2:

https://public.tableau.com/views/WGUFinalProjectv2/Story3?:language=en-US&:retry=yes&:display_count=n&:origin=viz_share_link

Work In Progress Feedback v1:

https://public.tableau.com/views/WGUFinalProject/Story3?:language=en-US&:retry=yes&:display_count=n&:origin=viz_share_link

Dataset gathered from:

<https://pokemondb.net/pokedex/all>

Which lists stats of every mainline Pokémon currently in play competitively.