

## Tools Used:

Python – The primary coding language

Requests – Scraping the data off web pages and collect HTML

BeautifulSoup – Parsing and navigating HTML

Pandas – Organizing data into Data Frames and performing statistical analysis

Matplotlib – Creating visuals (bar graphs) to help show trends and insights

Seaborn – Create a more user-friendly graph that is more appealing to viewers

## Questions:

1. What are the top 5 Pokémon with the highest total base stats?
2. What are the most common Pokémon in Scarlet/Violet based on catch rate?
3. What are the least common Pokémon based on catch rate?
4. Which Pokémon have the lowest egg cycles in this Paldea?

## Insights Discovered:

1. What are the top 5 Pokémon with the highest total base stats?
  - a. Slaking, Koraidon, and Miraidon emerged as the top Pokémon based on their total base stats.
2. What are the most common Pokémon in Scarlet/Violet based on catch rate?
  - a. Lechonk, Tarountula, Hoppip, Fletchling, and Yungoos were found frequently in the game and were overall the most common Pokémon based on catch rate.
3. What are the least common Pokémon based on catch rate?
  - a. Koraidon and Miraidon had the lowest catch rates due to their obtainability being locked behind questlines
4. Which Pokémon have the lowest egg cycles in this Paldea?
  - a. Magikarp and Gyarados has the lowest egg cycles, meaning they required the least amount of steps to hatch.

## Recommendations:

- For more early game, players can use the low egg cycles of the Magikarp and Gyarados for breeding mechanics and speed up a lot of early game progression
- Also using Slacking along with a version exclusive (Miraidon or Koraidon) would be very beneficial towards your party

## Future Work:

- I would want to continue to analyze the different types of Pokémon (strengths and weaknesses) and compare those along with the base stats to start helping out the competitive scenes.