# Wang Dian Final Project – Finish Pokémon Big Data

**Background**

Pokémon Big Data(<https://project3staging.herokuapp.com/)> is an awesome Pokémon Data Analysis project, which aims to give users a simple but clear impression about Pokémon features in shape, evolution, encounter rate, and battle power. In Phase 2, I am going to make this project complete and strong.

**Goal of Phase 2**

With the technical support of latest Python packages and JavaScript libraries, develop Pokémon Big Data to a strong and complete work as well as be positive in job hunting process as a competitive portfolio.

**New Added Tasks in Phase 2**

Pokémon Move Page(/move):

* Base on the Pokémon move and state data, users can check Pokémon power in 1VS1 battle, and get predict suggestions from the system to choose the best Pokémon for a battle.

Pokémon Encounter Page(/encounter):

* Based on Pokémon encounter data, this page will give users a clear report about Pokémon encounter rate and catch rate relationship with possible catching methods;
* Give users a straightforward view about the difficulty index of encounter/catching Pokémon

1. List the top 10 easiest and most difficult encounter/catch Pokémon
2. List the top 10 easiest location areas to encounter/catch Pokémon

Pikachu Big Data Page(/pikachu):

* Compare the most famous Pokémon – Pikachu with Pokémon general information and data, to give users a clear understanding of Pikachu’s feature among other Pokémon.

**Improvements in Phase 2**

* Test D3 visualization, fix loading bugs
* Make D3 graph interface clean and interactive
* Revise text in pages, easy to read and highlight key point data
* Clean code in ipynb files, add necessary comment to each step and functions