**Sprint Plan Template**

|  |  |  |
| --- | --- | --- |
| Week | Purpose | Weekly Tasks and Goals |
| 7 | Gather the necessary data and build the dataset for analysis | * Gathering the move database * Gathering the abilities database * Gathering the items database (optionally) * Organizing that into an SQL database I can use * Make sure that these datasets are all in sync and have the same number of Pokémon across the board. |
| 8 | Build the Pokémon battle simulator | * Develop a structure or how to program the battle simulator * Figure out how to incorporate all the databases into the python code. * Figure out how to choose the move set the Pokémon will use, and the moves they will use. * Incorporate weather statuses into the mix. * Possible incorporate holdable items. |
| 9 | Optimize and refine the Pokémon move set and database | * Remove useless or otherwise unnecessary moves from the database * Research what makes for a formidable Pokémon team * See the strategies that are employed in competitive matches (stats for bulky defense, attack, etc.) * Essentially, seeing the rules of thumb that make up a competitive team. |
| 10 | Run the battle simulator and collect data | * Run a few thousand battles (depending on efficiency of the simulator) and gather data for each battle and move used. * See which moves and what factors lead to winning the battle and store that in a table of some sort * Use this to begin development on the model that will be used to predict the outcome of the battle. |
| 11 | Finalize and refine the model and test its accuracy. | * Finalize the model so that it can determine the best Pokémon team and the moves each one should have * Test this team out in the field with real battles to test the accuracy of the model. * Refine and adjust as necessary * Right down the conclusions to the project. |

© BrainStation Inc.

This material and all course content is the proprietary intellectual property of BrainStation Inc. and may only be used by course participants or educators for educationalpurposes as authorized by BrainStation. Any other use is unauthorized and unlawful.