

Team name: Anonymous

Team members: Xinyue Xing, Boyu Liu, Yingxi Huang, Tianyi Li, Yingjie Gao

Date: 3/9/2022

This journal has to be uploaded to 1) a dropbox folder ([link](#)) AND 2) posted to your project website every two weeks by 11:59 pm on the second Friday. The first due date is Mar. 4th, Mar. 25th and the third due date is April 7th. When uploading to the dropbox folder, change the file name to "Team_name_MM-DD-2022" where MM = month and DD= day of upload).

Team roles for this report (write down name):

Facilitator(s): Yingxi Huang

Manages the group for this week including setting up times for group members to meet, making sure everyone has a say in the meetings etc.

Recorder(s): Xinyue Xing

Person in charge of recording the meetings as well as the happenings of the past two weeks and describing what was accomplished in the meeting and writing up this report.

Deliverer(s): Boyu Liu

Person in charge of checking the entire report and uploading the file to dropbox folder and project website, as well as the representative of the group getting in touch with the instructor.

Planner(s): Tianyi Li

Person in charge of what will be happening next two weeks as well as thinking about longer term goals (what more needs to be done for the project).

Team contact: Yingjie Gao

Person the teacher can email if he sees any issues in the biweekly report instead of mass spamming everyone in the team.

1. **Describe briefly what the main goal of your team is (so the peer reviewer has some context). E.g. we are working on image classification for blah de blah. Our goal is blah de blah etc. In the initial part of the semester before your proposal it is ok to put down “we are still coming up with ideas on team project”.**

We temporarily decided to choose a Pokémon combat dataset. The dataset includes features such as Pokémon's type, value of attack, and value of damage, which allow us to predict the result of future combats between two specific Pokémon. We will also investigate problems including whether the first actor in a combat have advantages and what the most prominent factor is in a combat.

- I. **What was done during the report period regarding the project:** If you want to include code include this in the Appendix. Describe what the group did (including contributions of individual team members) with regards to the group project during this report period. Give enough details so I understand what you folks have been doing over the week. Include dates of your meeting(s) and who met on these days.

Meeting 1 - 3/6/2022 - All members attended

- Made introductions and discussed current progress since a new member joined the group.
- Performed dataset selection again according to the topics the group members are interested in.
- Discussed the implication of datasets in the list.
- Decided to use the Pokémon dataset.

Meeting 2 - 3/9/2022 - All members attended

- Familiarized ourselves with the rules and dynamics in the Pokémon Universe and came up with the introduction part of the proposal.
- Explored the data by cleaning the data and designing the content in EDA.
- Wrote codes to conduct EDA.

Meeting 3 - 3/23/2022 - All members attended

- Refreshed after Spring Break.
- Designed the schedule for the following weeks.
- Discussed HW7 to get more inspiration for our project

- II. **What were obstacles faced if any in working on the project?** This could be technical (like not being able to implement or understand particular techniques) or time issues (midterms for other courses etc).

Time constraints might be a problem for the development of our project. We are encountering the busiest week in our semester. Boyu, Xinyue, Yingjie have tons of assignments and struggling with midterms coming next week.

Pokémons' types might also cause trouble to us as their counter relationships are complex and require tremendous work to implement the effect.

- III. **What is the plan for the next reporting period including what each team member is planning to work on. Describe goals and potential timelines (“ I plan to finish understanding x to see if it can be implemented for our project by Wednesday etc”.)**

Coding will be our next step. We plan to begin implementing methods we learn in this course to our dataset. Different methods have been assigned among the group. Boyu will implement logistic regression, Xinyue will implement LDA, Tianyi will implement QDA, Yingjie will implement KNN, and Yingxi will get familiar with the Decision Tree. After individual attempts at different models, discussions among the group will be more efficient. We also decide to create a Github repository to share codes among the group.