Group 17

# Project 4 Proposal

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**Our data and why we chose it:**
Below is a link to the kaggle dataset:
Fictional Character Battle Outcome
https://www.kaggle.com/datasets/rabieelkharoua/fictional-character-battle-outcome-prediction/data
https://www.kaggle.com/datasets/claudiodavi/superhero-set

We chose this dataset because we thought it would be fun to do a unique topic that interested all of us. When we found this dataset we thought it would be interesting to be able to see what characteristics impacted whether or not a superhero would win a battle against a character with average characteristics.

**What are we going to predict:**
If a character would win in battle against the average baseline superhero opponent

**Possible Biases & Limitations:**
Scores the selected superhero against an “average superhero” instead of another selected superhero (i.e Thor vs “Generic Superhero Num. 9” instead of Thor vs. Iron Man)

**What are we going to visualize in Tableau:**
**Possible research questions:**

1. Marvel vs. DC traits
2. Superhero vs. Villain traits

**Inspiration:**
Some previously done analysis with our dataset:
https://www.kaggle.com/code/muhammadfaizan65/fictional-battle-predictions

https://www.kaggle.com/code/nileshely/crunching-the-numbers-unveiling-secrets

Tableau dashboards that may be useful:
https://public.tableau.com/app/profile/yuri.wg/viz/Marvel_SuperHeros/1

https://public.tableau.com/app/profile/ameya.salvi/viz/MarvelvsDCSuperheroes/MarvelvsDC-ComicsSuperheroes

https://public.tableau.com/app/profile/ken.flerlage/viz/SuperheroesSupervillains/Top25

**Possible color palette:**


Sticking with primary colors as red, blues, and yellows are most utilized in all superhero comics

**Roles and Responsibilities:**

- Jessie: Machine Learning
- Leon: Dashboard One
- Alex: Machine Learning
- Ayannah: Dashboard Two

**Github link:**
https://github.com/jessicawayne96/ds_apr2024_project_4