## Proposal: Pokemon

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Team Github repository: <https://github.com/kkyle16/ETLProject.git>

* Where is the data coming from? (at least two sources)
  1. <https://www.kaggle.com/csobral/pokemon-gen-vii-pokedex?select=pokedex.json>
  2. <https://www.kaggle.com/notgibs/smogon-6v6-pokemon-tiers>
* Where is the data going to? (postgres, mongo, etc; some type of database not a flat file like a CSV.)
  1. The data will go into a Mongo database.
* What will be the structure of the data in the final database? What tables/columns/types/etc.
  1. The final data structure will be a Mongo database collection.
* What steps are required to take the data from its current form into its final form and *who is responsible for each step?*
  1. Extraction (Ally): downloading the json and csv files into a Python Panda data frame
     + Extracting all variables from the 1st dataset (json);
     + Extracting only the Pokemon name (Name), Legendary, Generation, Mega, and Smogon 6v6 Tier (Tier) variables from the 2nd dataset (csv);
     + Will upload both datasets to github;
  2. Transformation:
     + Data cleaning: cleaning the names of the Pokémons in both datasets and then merge them together in Python;
     + Data merging: the two datasets will be merged by name;
     + Summary statistics for variables
     + Removing uninterested variables
     + Preparing for data export to the Mongo database
  3. Loading:
     + Using the pyMongo to insert all entries to one single Mongo dataset