Pokemon project

**Merge datasets**

* ~~Merge the dataset with the battle dataset. Outcome should have columns : pokemon 1 , pokemon 2, winner, attributes of pokemon 1 (multiple columns), attributes of pokemon 2( multiple columns)~~  Done. Check code file merging datasets

**Description of dataset**

* Pokemon description dataset
  + Distribution by type
  + Generation
* Battles description
  + Intergenerational
  + Inter-type

**Anal(ysis)**

* Do PCA analysis on the attributes of the winner (disregarding the attributes of the loser)
  + Decide what are the most important attributes to have
* Do difference of attribute analysis
  + Distribution graphs
  + PCA analysis on difference
* Clustering
  + Do hierarchal clustering based on the outcomes of the PCA analysis (2, 3, and 4 attributes)
  + Compare how clusters change based on how many attributes, stick to a final cluster
  + Compare final cluster to the existing clustering by type
* Finding out which is the strongest cluster