MARK5826 Assignment 2 TABLEAU Version 2 zid [2,4,6,8,0]

Do version 1 if your ZID ends in [1,3,5,7,9]

Do version 2 if your ZID ends in [2,4,6,8,0]

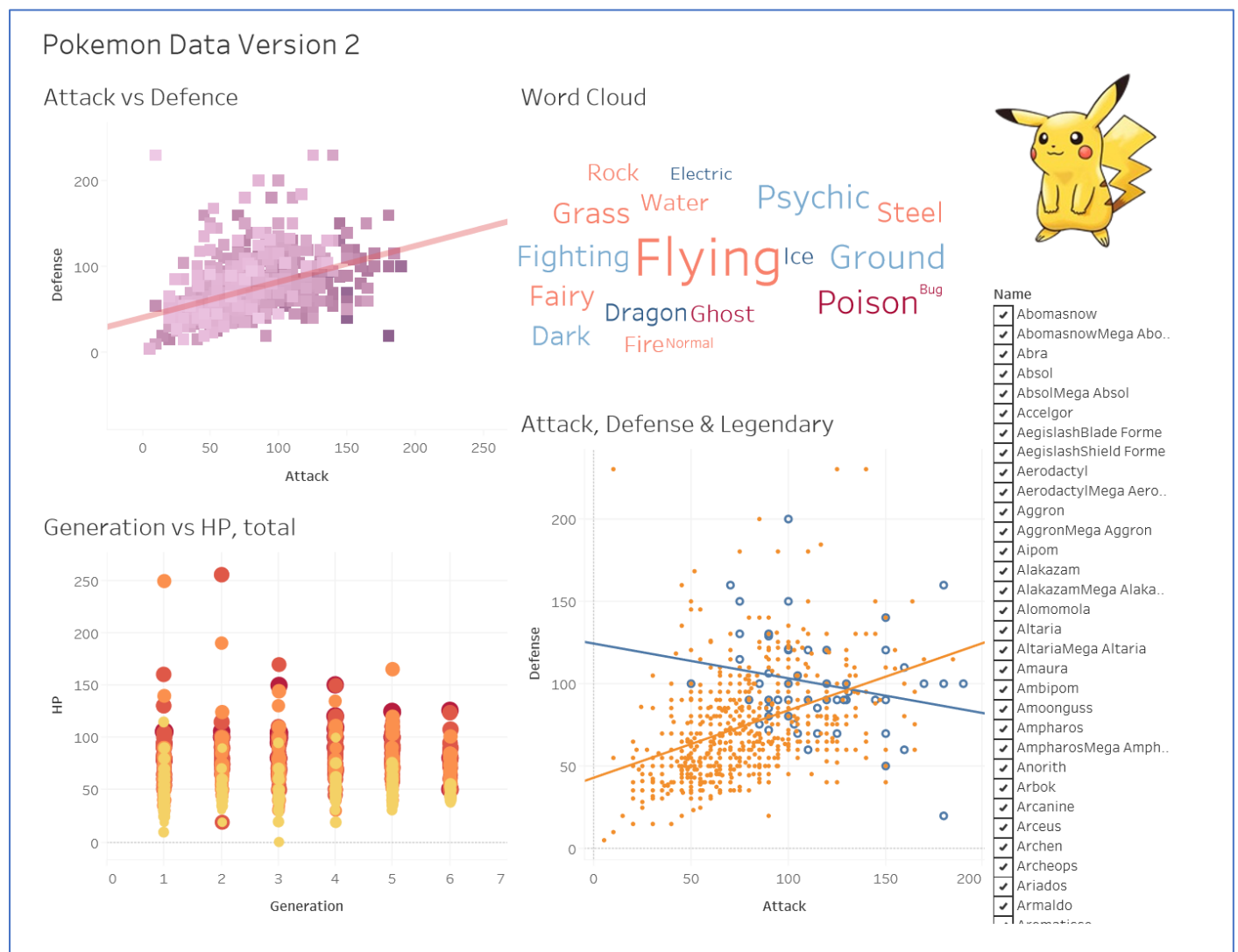**TABLEAU:** 10 marks

PYTHON: 10 marks

Your aim is 2 fold:
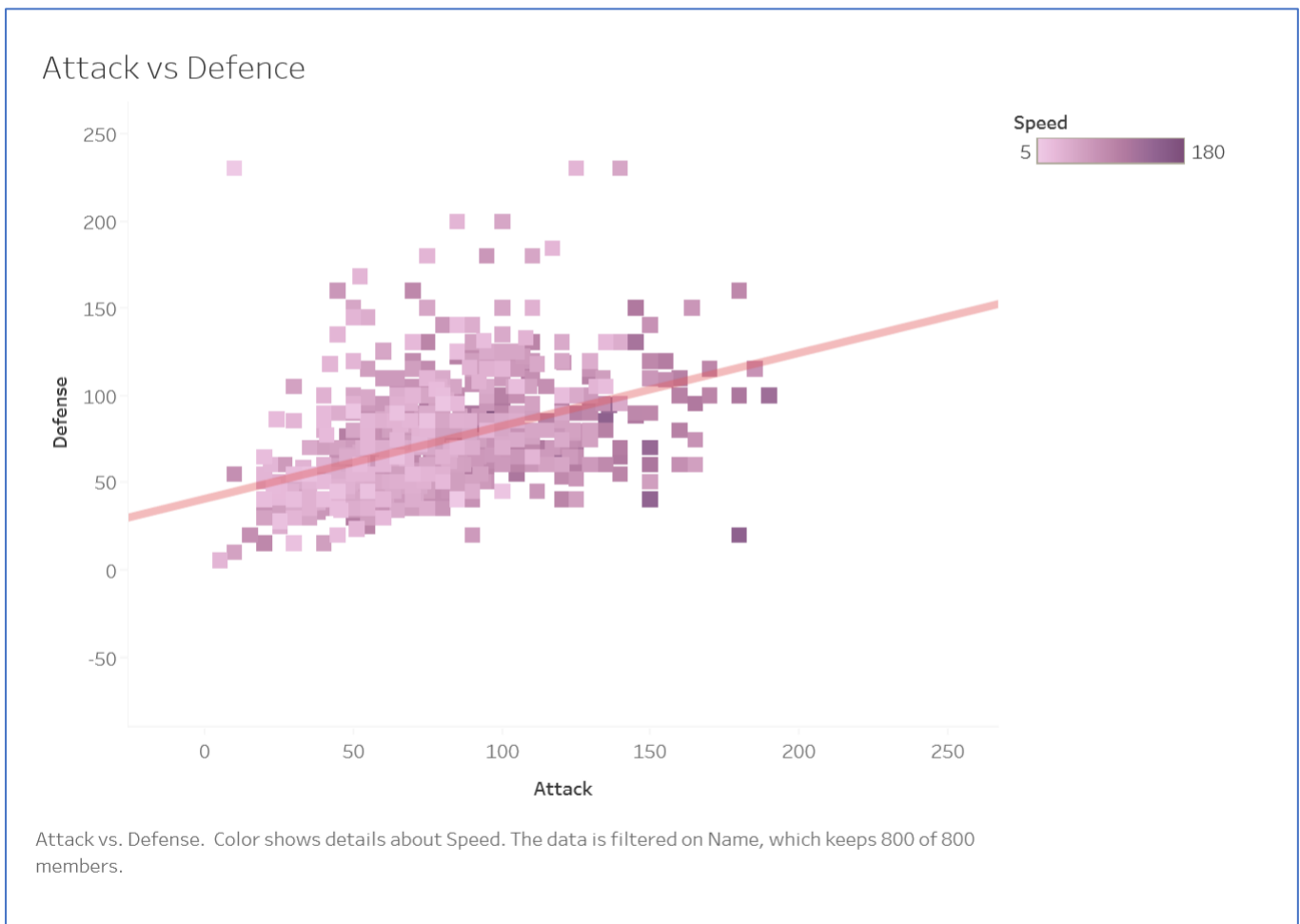
1. Create a Tableau Dashboard
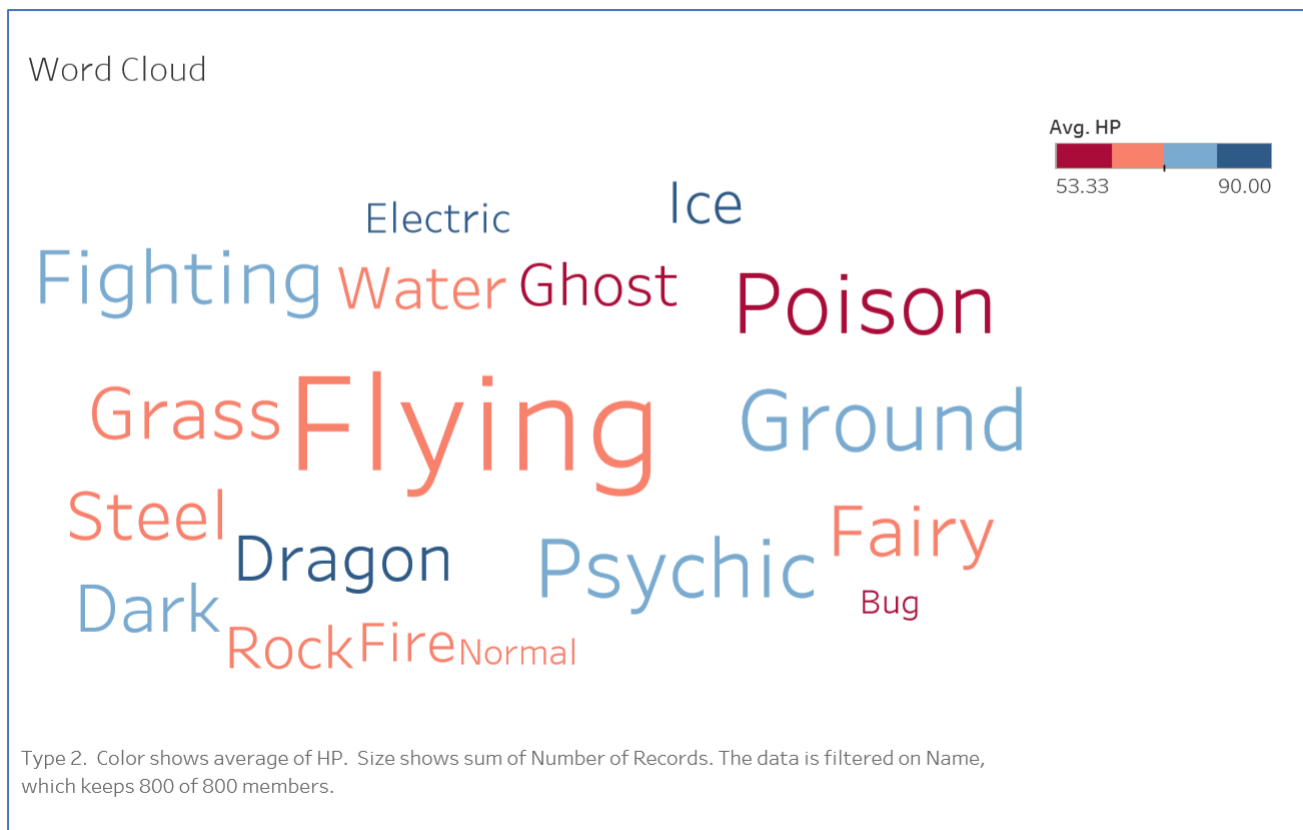2. Create a Python Model

To: Analyse Pokemon Data @ https://www.kaggle.com/alberthkcheng/pokemon/data

FINAL TABLEAU OUTPUT:

1. TABLEAU DASHBOARD INSTRUCTIONS

   ATTACK VS DEFENCE [2 marks]

Attack vs. Defense. Color shows details about Speed. The data is filtered on Name, which keeps 800 of 800 members.
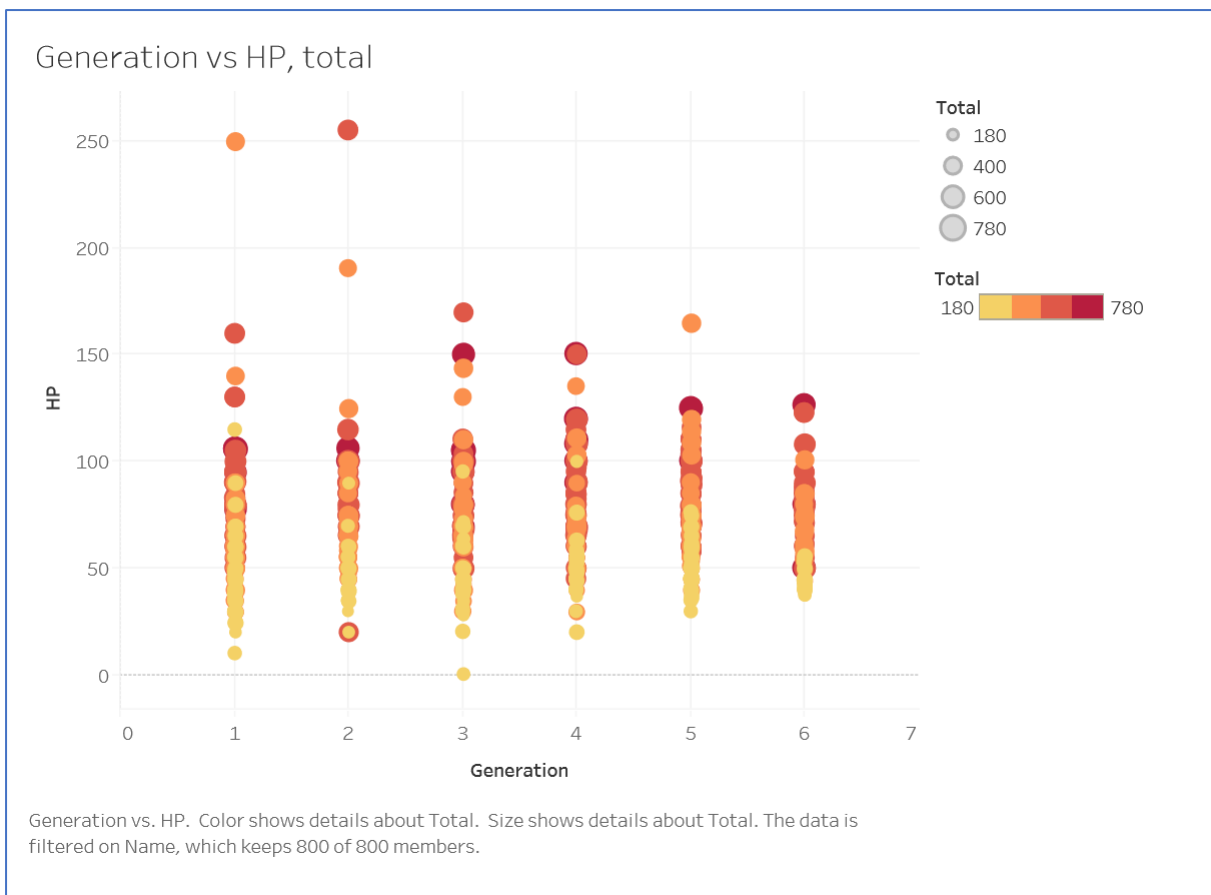
1. Plot Speed vs Attack and Defence, where Speed is the COLOUR.
2. Choose a PURPLE colour palette for SPEED
3. Create a LINEAR TREND using ANALYSIS, and change LINE COLOUR to RED, and increase it's SIZE
4. Change the WORKBOOK title to match
5. REMOVE all grid lines

WORD CLOUD [2 marks]

Word Cloud

Electric
Ice
Fighting Water Ghost Poison
Grass Flying Ground
Steel Fairy
Dragon Psychic
Dark Bug
RockFireNormal

Avg. HP
53.33   90.00

Type 2. Color shows average of HP. Size shows sum of Number of Records. The data is filtered on Name, which keeps 800 of 800 members.

1. Create a word cloud using TYPE 2 (NOT TYPE 1)
2. Colour is AVERAGE(HP)
3. Colour palette is AVERAGE(HP) where 4 steps is chosen with RED-WHITE-BLUE DIVERGING
4. Create a FILTER by NAME for this page.

GENERATION vs HP, TOTAL [2 marks]

Generation vs HP, total

Generation vs. HP. Color shows details about Total. Size shows details about Total. The data is filtered on Name, which keeps 800 of 800 members.

1. **Create a GANTT chart with GENERATION, HP.**
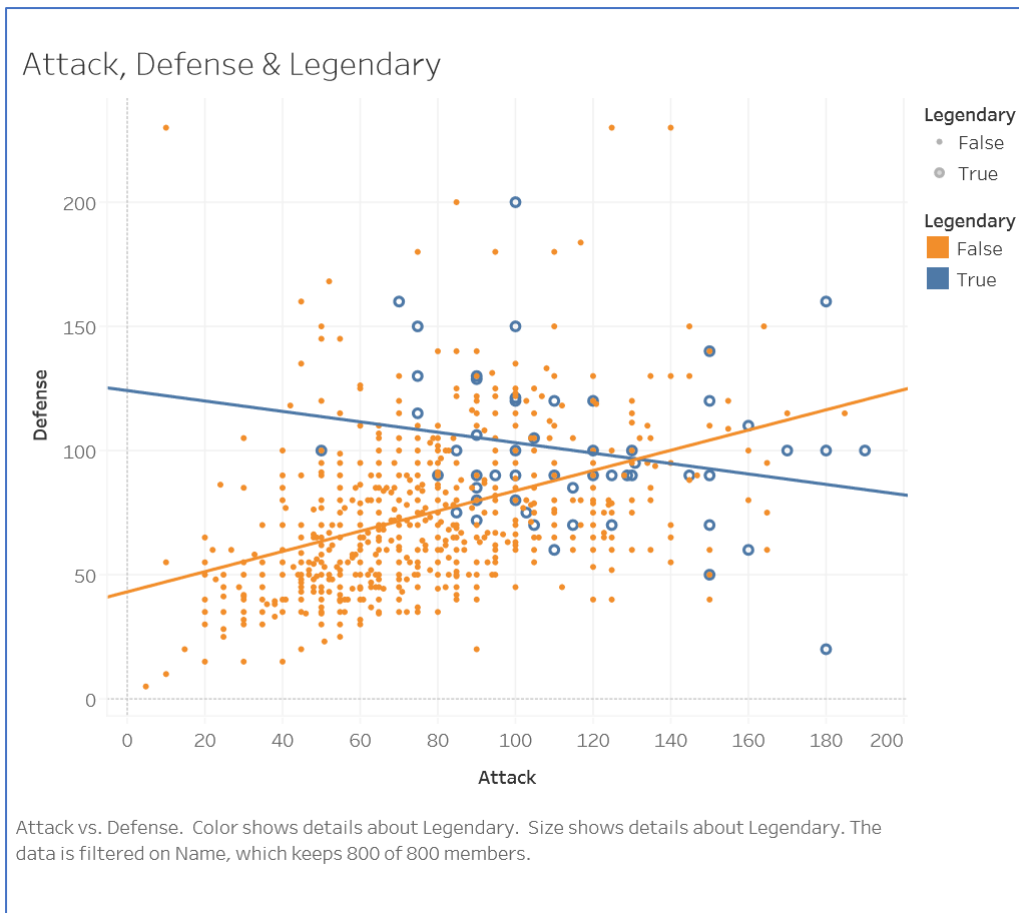2. **The colour is ~~HP~~ (TOTAL)**
3. **The size is ~~HP~~ (TOTAL)**
4. **Choose ENCLOSED CIRCLE as shape**
5. **Change SIZE to match top**
6. **Choose RED-GOLD palette with 4 steps**

ATTACK, DEFENSE vs LEGENDARY [2 marks]

Attack vs. Defense. Color shows details about Legendary. Size shows details about Legendary. The data is filtered on Name, which keeps 800 of 800 members.

1. **Create a SCATTER plot, where ATTACK and DEFENSE is seen.**
2. **DIFFERENT COLOURS FOR LEGENDARY & DIFFERENT SIZES FOR LEGENDARY.**
   ~~Colour is LEGENDARY and SIZE is legendary.~~
3. ~~Note the SIZE for each legendary class is different.~~
4. **Add a LINEAR TREND LINE**
7. **Change ~~COLOUR.~~ (COLOUR AND SIZE) to match legendary (Orange, Blue)**

DASHBOARD [2 marks]

Pokemon Data Version 2
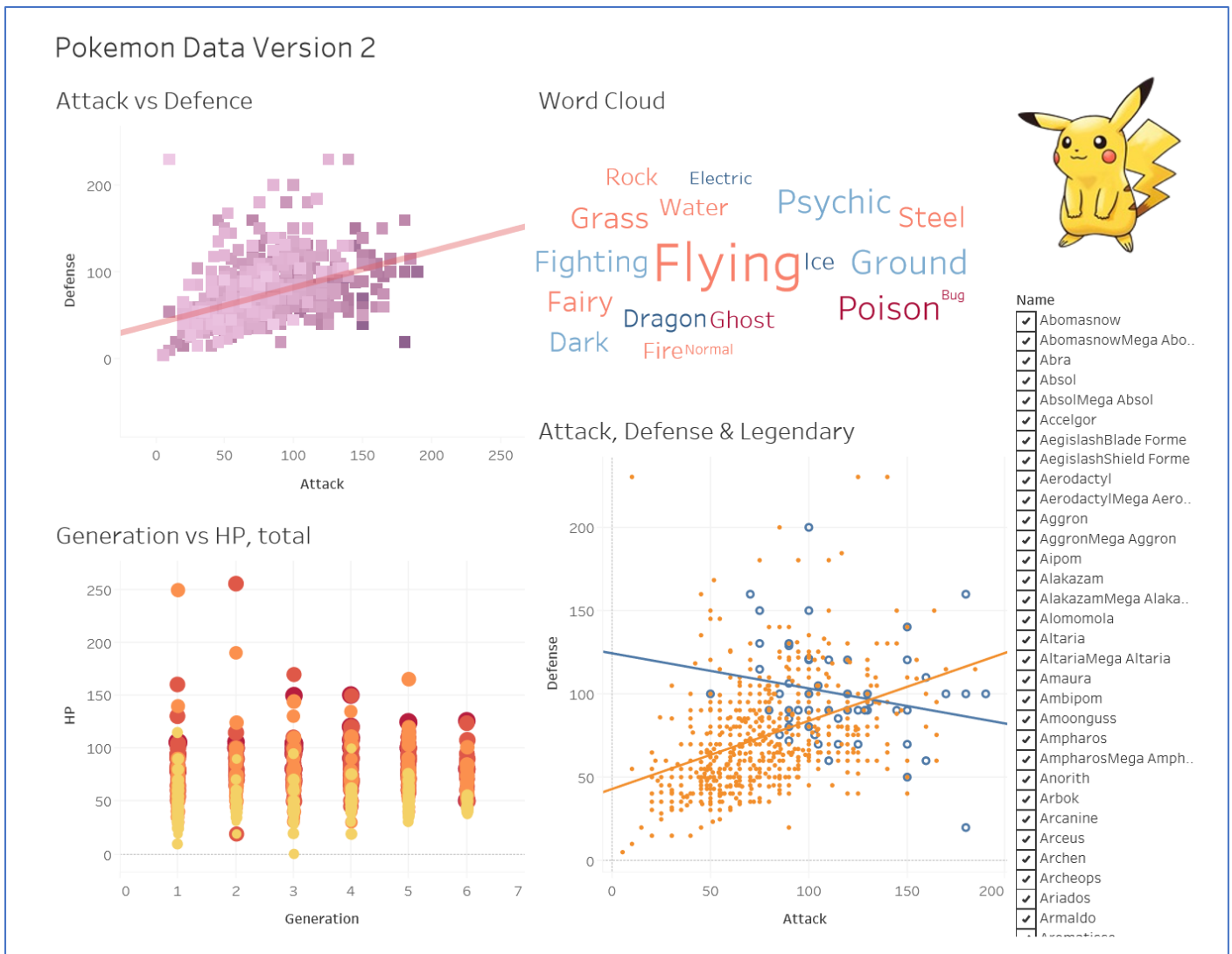
1. Create a DASHBOARD with all 4 pieces, and place the FILTER ford the WORD CLOUD on the right.
2. Place a PIKACHU picture @ https://static.giantbomb.com/uploads/original/0/6087/2437349-pikachu.png
3. NOTE THERE are NO LEGENDS. Must remove all legends.