

Pokémon ANALYSIS

Unsupervised Machine Learning Project

LEADING QUESTION

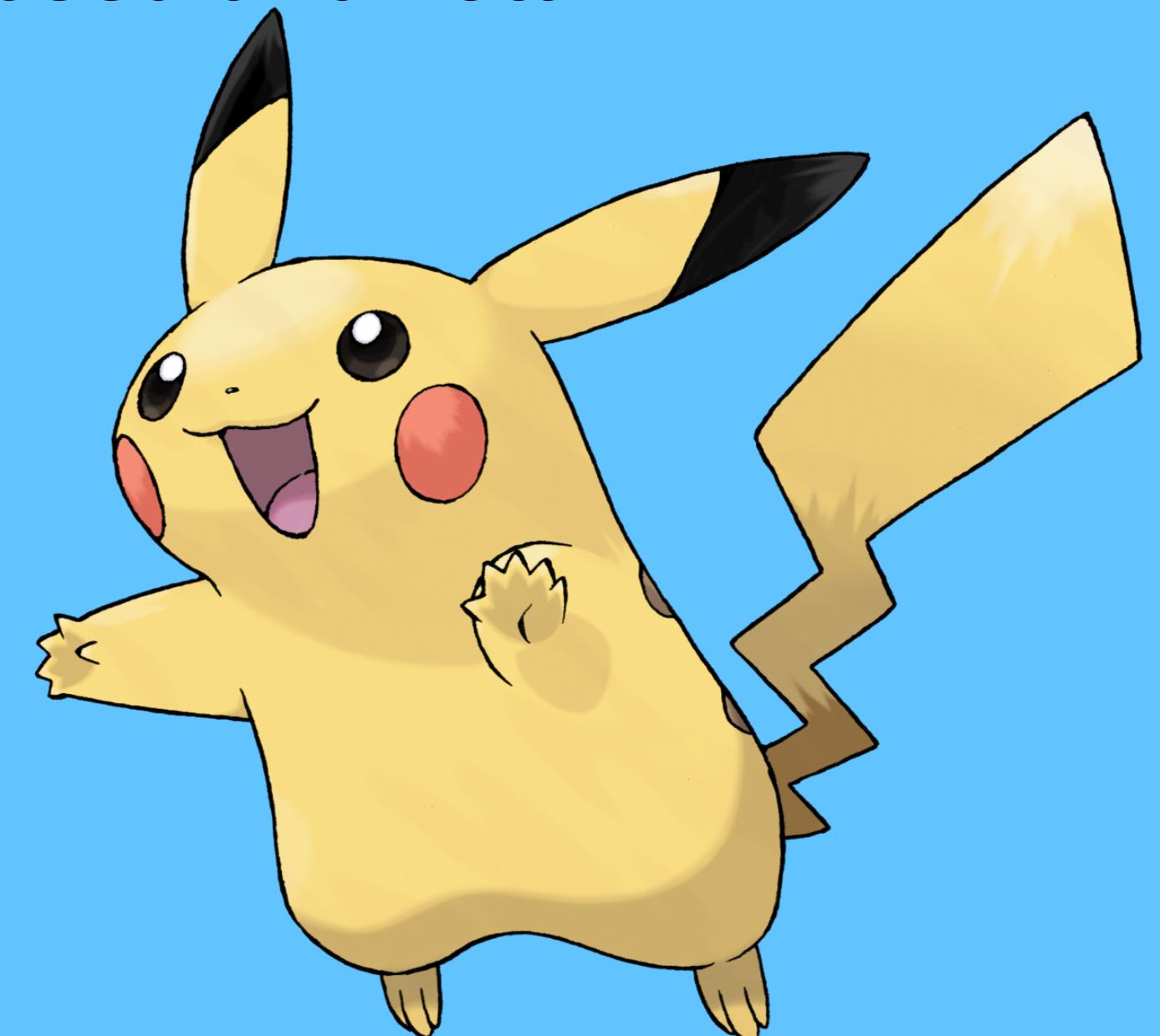
Can we group Pokemon in other ways than by type?



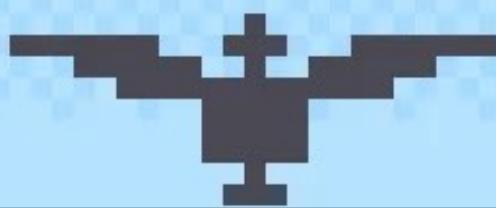
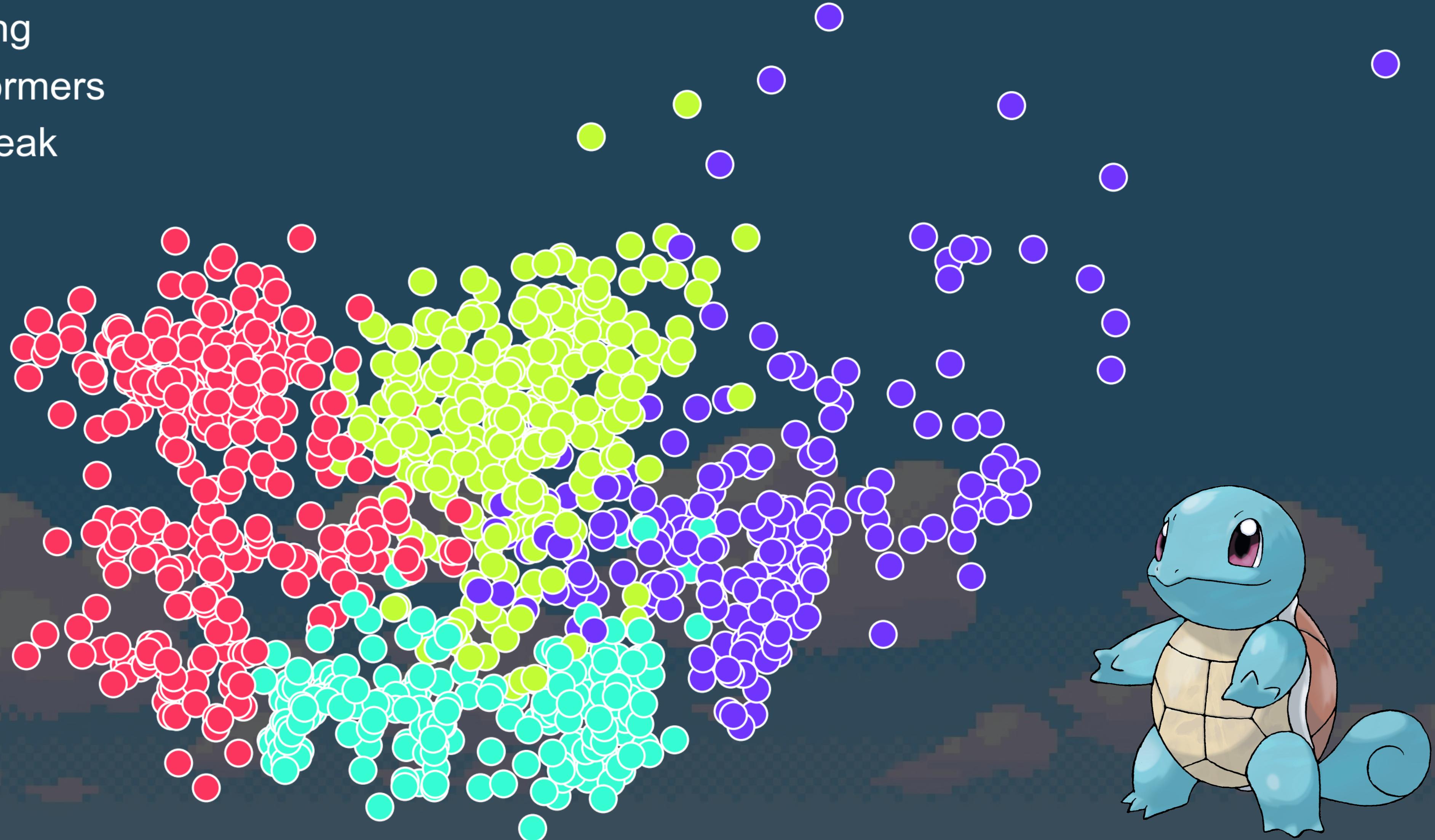
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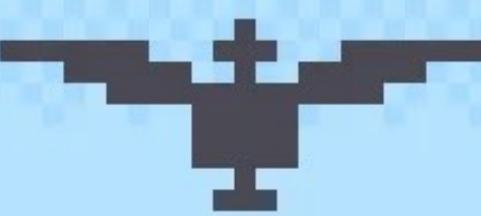
What are our parameters?

- * **Generation:** Which generation were they introduced
- * **Stats:** HP, Attack, Defence, Special Attack, Special Defence, Speed and Total
- * **Size:** Height and Weight
- * **Growth Rate:** How much experience they require per level
- * **Catch Rate:** How easy they are to catch
- * **Dual Typing:** If they have a secondary typing or not

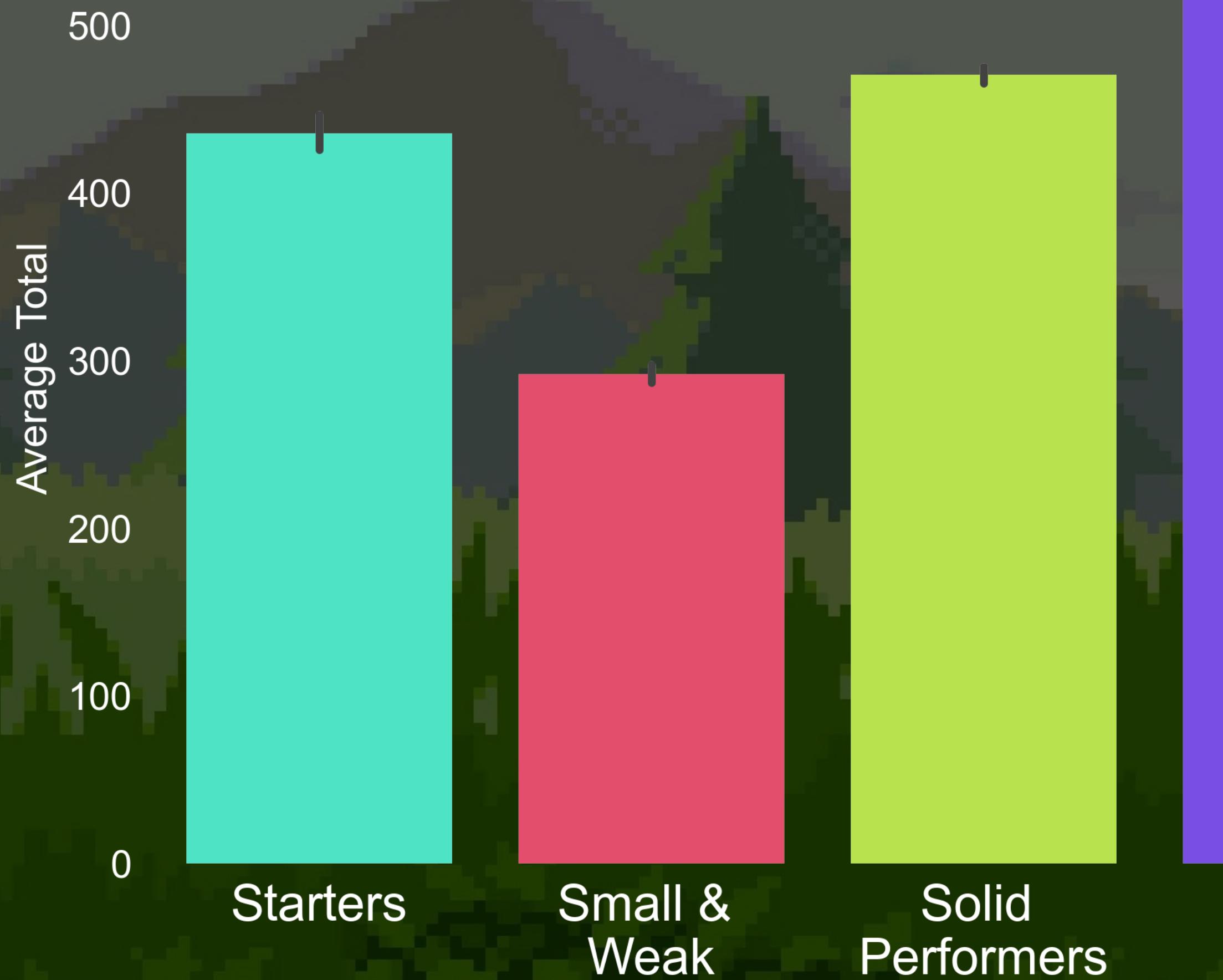


- Big & Strong
- Solid Performers
- Small & Weak
- Starters

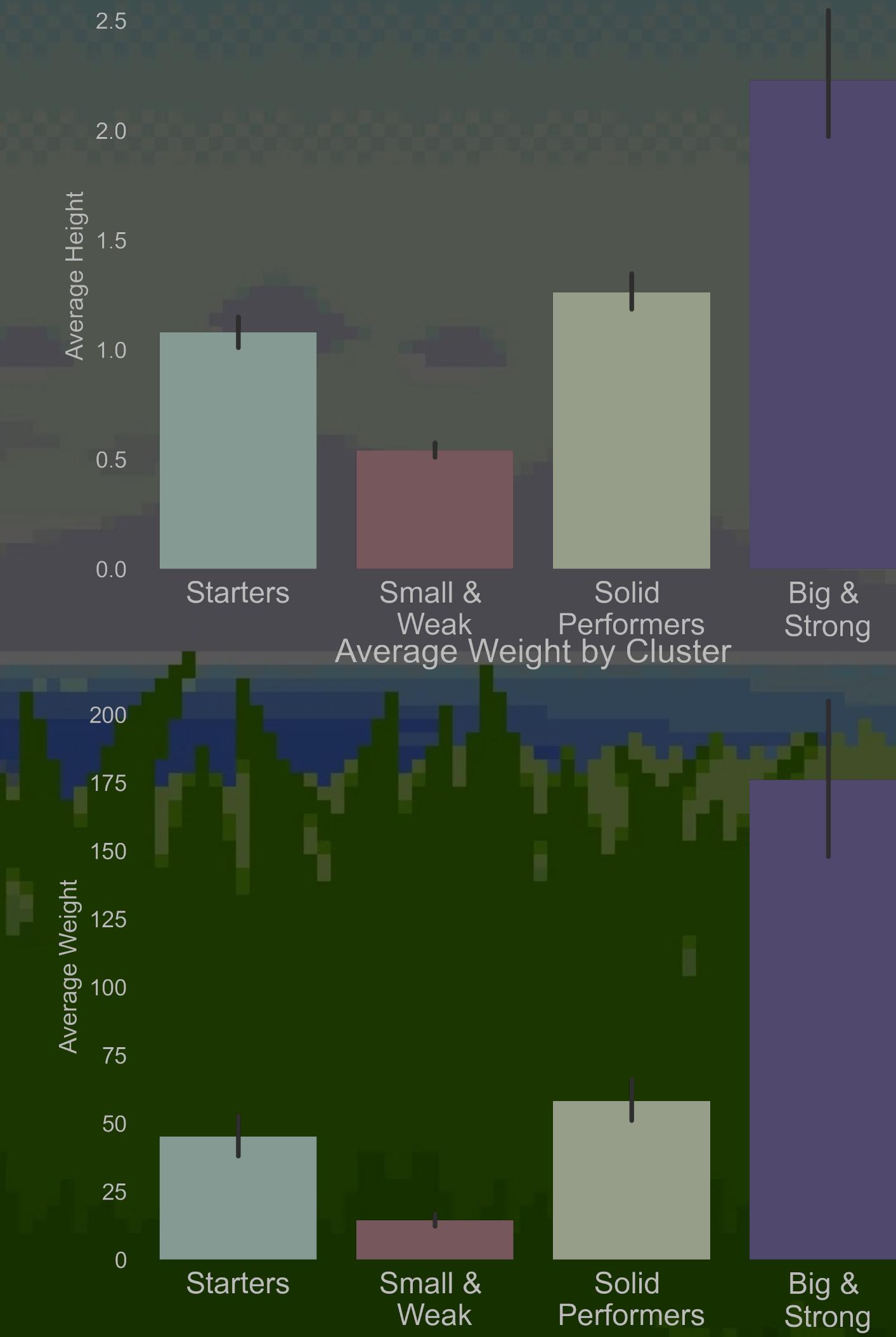




Average Total by Cluster



Average Height by Cluster

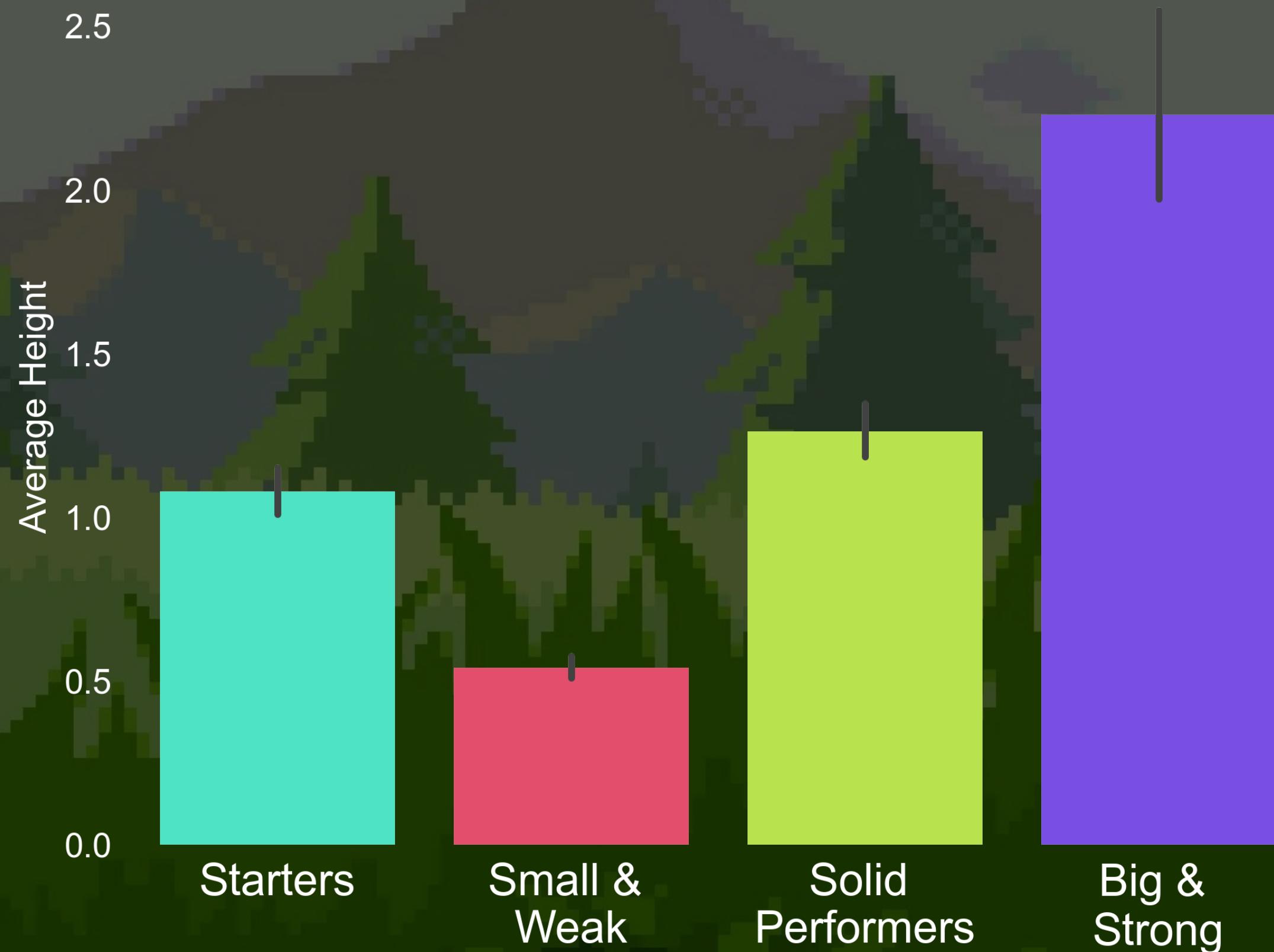


DEFINING STARTERS

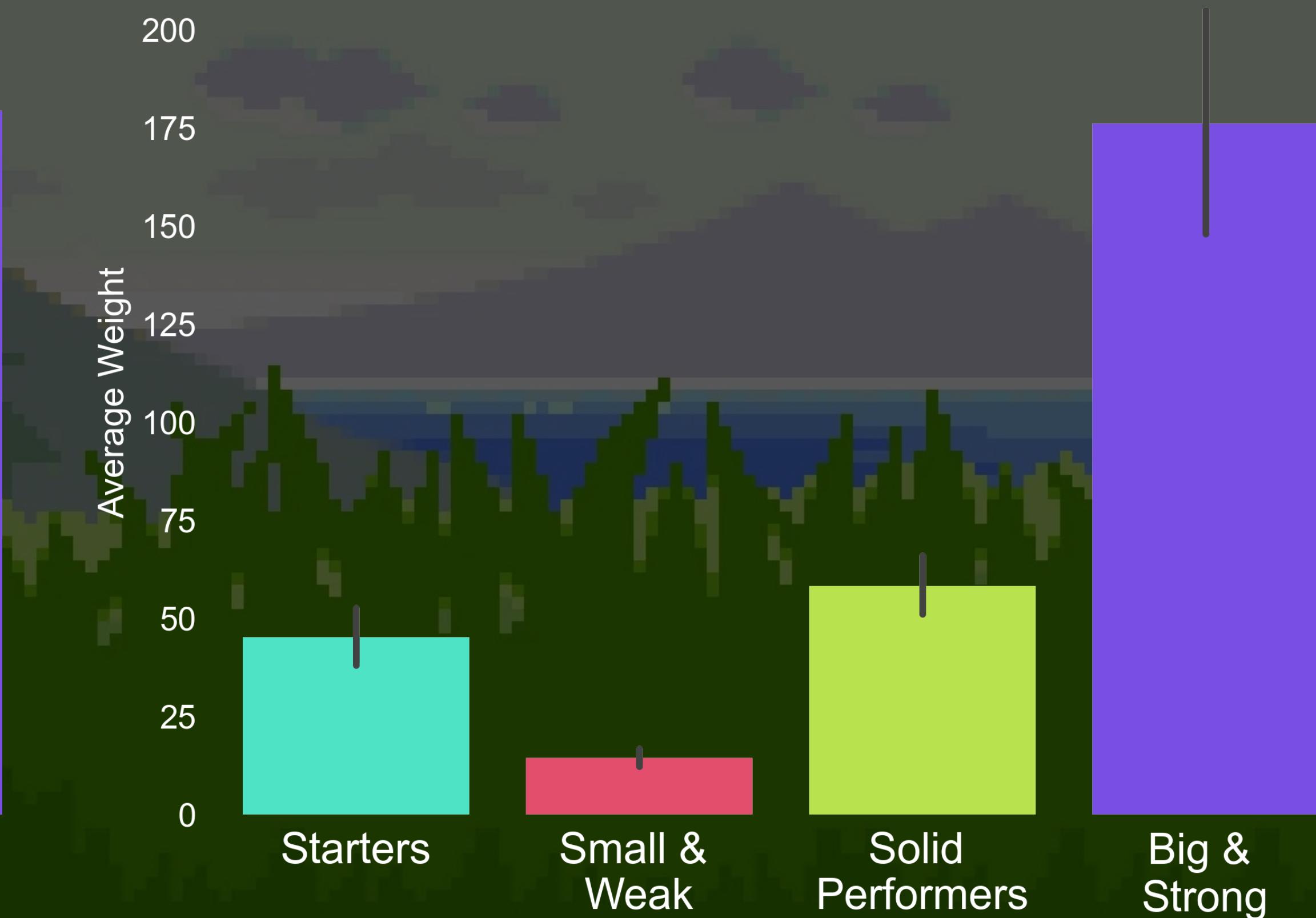


COMPARING SIZE

Average Height by Cluster

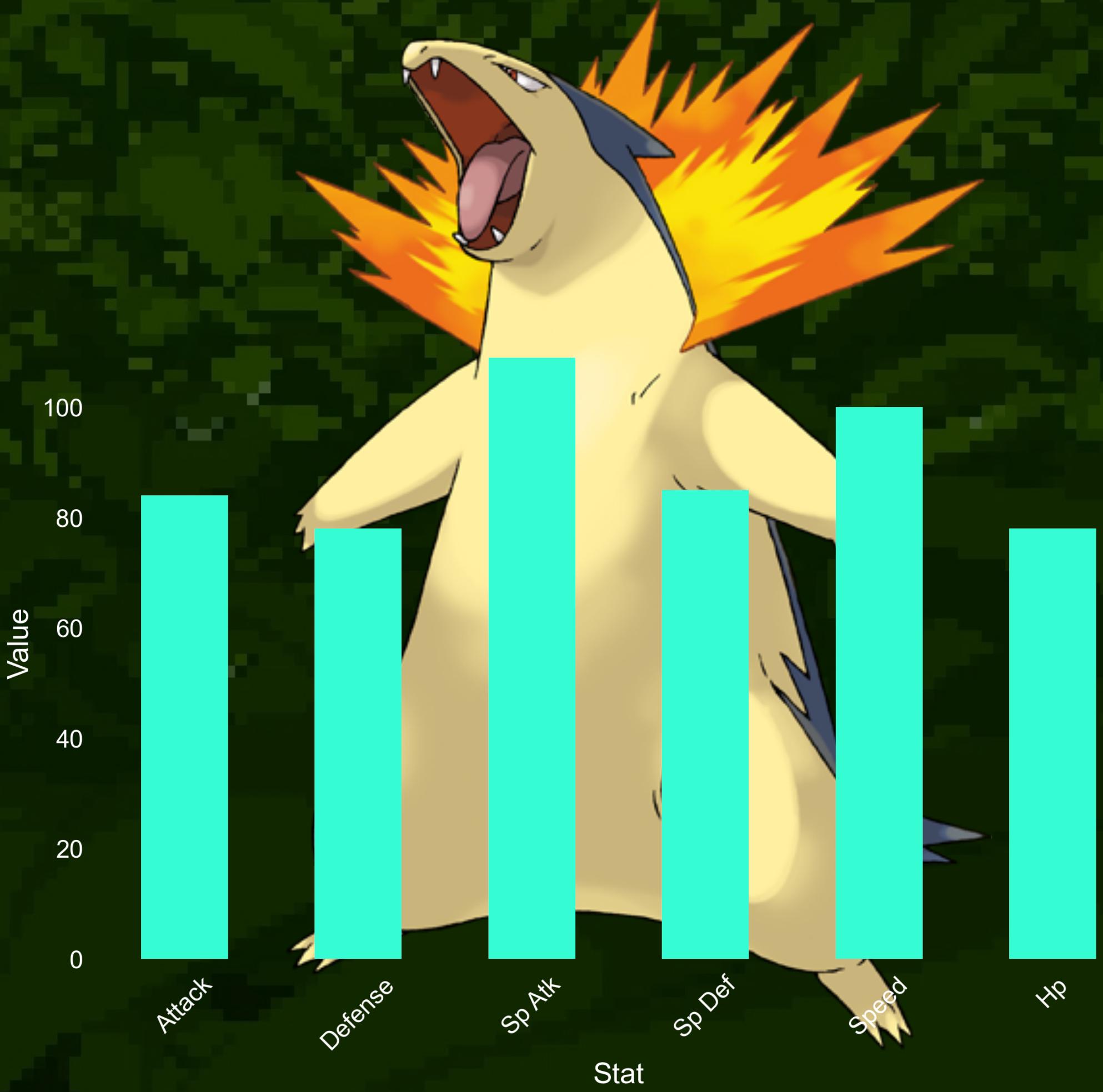


Average Weight by Cluster

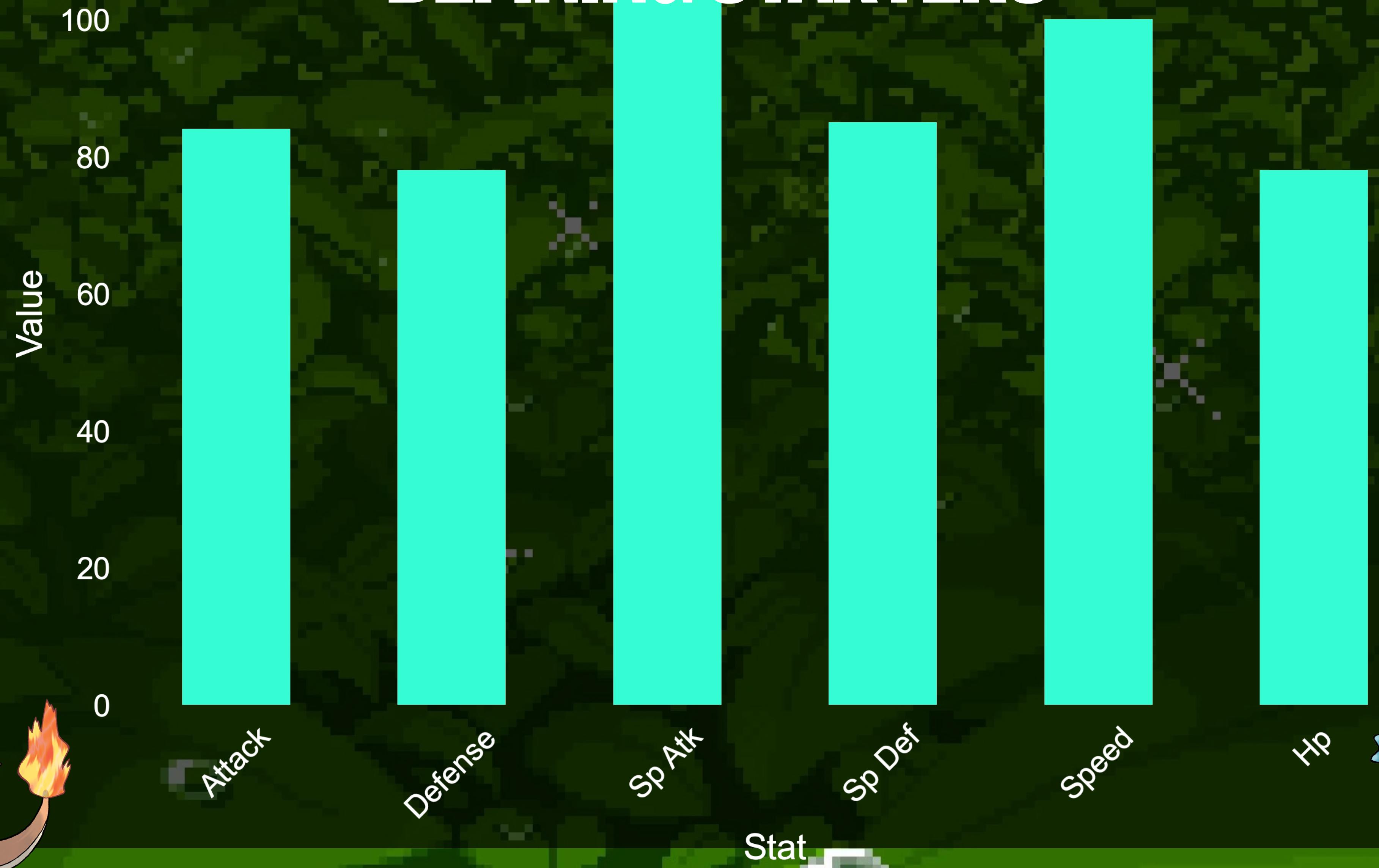


BEGINNING OF THE ROAD

DEFINING STARTERS

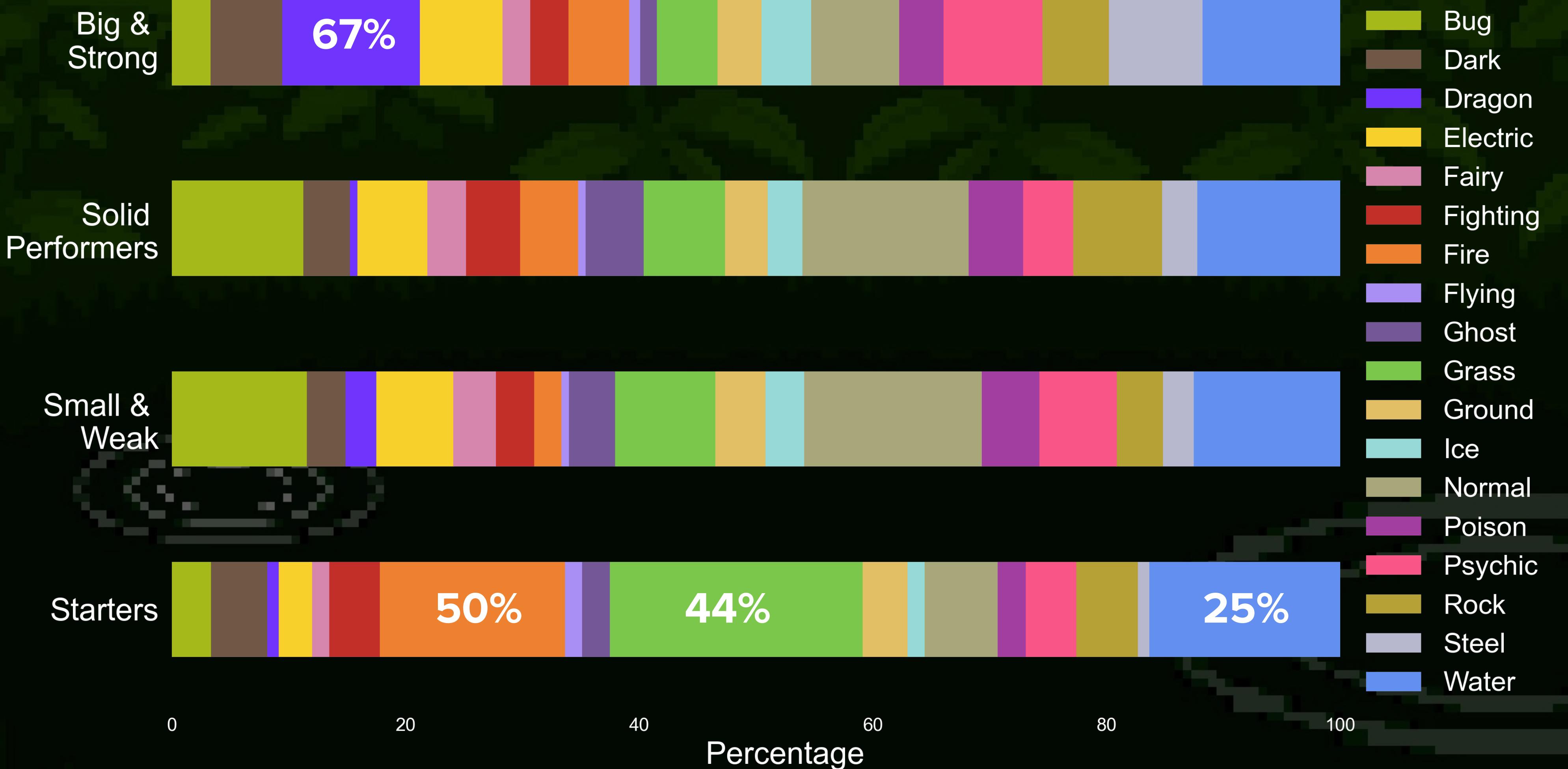


DEFINING STARTERS





Pokémon Types in Each Cluster



FINAL THOUGHTS

- Pokemon are not real, making this dataset synthetic
- Better define a leading question early on
- Thank you for listening

