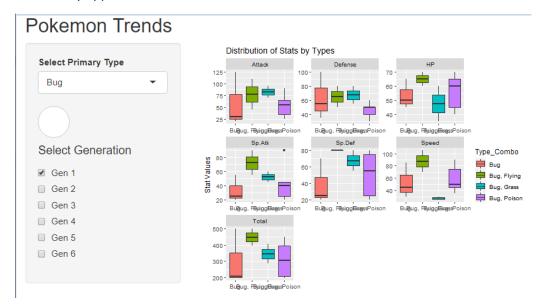
Draft of my app:



Error:	`cols`	must s	elect a	at least	one	column.

			Std.		
Stat	Mean	Median	Dev.	Min	Max
Attack	55.00	45	13.69	45	70
Defense	50.20	48	20.51	20	73
HP	92.00	95	38.83	40	140
Sp.Atk	77.00	85	23.61	45	100
Sp.Def	70.00	65	36.57	25	120
Speed	50.00	45	26.69	20	90
Total	394.20	435	92.70	270	483

The primary feedback that I got from my group members was that my app needed some instructions for how to select the secondary type and to see if the panels could be spaced out more to help ease of visualization. I also realized that people ran into errors because they did not select existing type combinations. To address these problems, I did some polishing to remove unnecessary/redundant text (such as from the axis) and added instructions at the top of the app page. I also made the dropdown button more visible by adding an infographic icon on it so people would be drawn to hover over it for further instructions. Lastly, I made custom warning messages pop up to encourage people to choose other type combinations if the plots were not produced.

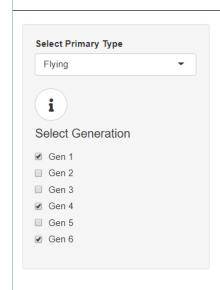
Regarding perceptual principles, I used colors that people who play Pokemon would recognize as the official type colors, which are not necessarily colorblind friendly. However, I made sure there was redundancy by labeling the boxplots and popularity count data points.

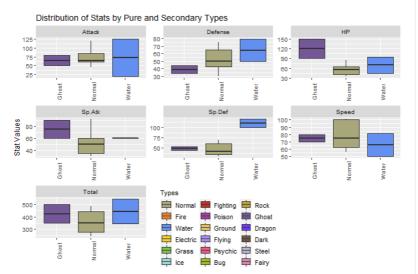
Here is a link to my final product. I hope you have fun playing around with it!

https://amyly2145.shinyapps.io/poke trends/

Pokemon Trends

Instructions: To start your exploration, select a primary type. Then click on the info button below to choose combinations of secondary types to compare to the pure primary types!





Stat	Mean	Median	Std. Dev.	Min	Max
Attack	72.65	65.00	27.25	20	125
Defense	51.76	50.00	15.13	30	79
HP	65.82	60.00	28.56	35	150
Sp.Atk	54.24	58.00	18.18	30	92
Sp.Def	54.82	50.00	23.92	30	120
Speed	76.88	75.00	16.52	50	101
Total	376.18	349.00	92.44	245	540

