CGT 270 Data Visualization
Makeover Monday #2 (2018 Dataset)

Name: Liam McGuire   **Date:** 3/28/2022   **Max points:** <u>25</u>

Lab section: Wednesday 9:30 - 11:20 AM

Show your work!!!

Acquire

Week: 12

Date: 03/28/2022   Year: **2018**   Data:
http://www.espn.com/espn/page2/sportSkills

Source Article/Visualization: http://www.espn.com/espn/page2/sportSkills

https://www.makeovermonday.co.uk/data/data-sets-2018/

Represent

Degree of Difficulty: Sport Rankings											
SPORT	**END**	**STR**	**PWR**	**SPD**	**AGI**	**FLX**	**NER**	**DUR**	**HAN**	**ANA**	**TOTAL**	**RANK**
Boxing	8.63	8.13	8.63	6.38	6.25	4.38	8.88	8.50	7.00	5.63	72.375	1
Ice Hockey	7.25	7.13	7.88	7.75	7.63	4.88	6.00	8.25	7.50	7.50	71.750	2
Football	5.38	8.63	8.13	7.13	6.38	4.38	7.25	8.50	5.50	7.13	68.375	3
Basketball	7.38	6.25	6.50	7.25	8.13	5.63	4.13	7.75	7.50	7.38	67.875	4
Wrestling	6.63	8.38	7.13	5.13	6.38	7.50	5.00	6.75	4.25	6.38	63.500	5
Martial Arts	5.00	5.88	7.75	6.38	6.00	7.00	6.63	5.88	6.00	6.88	63.375	6
Tennis	7.25	5.13	7.13	6.75	7.75	5.63	3.00	5.00	8.38	6.75	62.750	7
Gymnastics	5.38	6.13	6.63	5.00	6.38	10.00	7.50	6.88	4.50	4.13	62.500	8
Baseball/Softball	4.63	5.75	7.63	6.50	6.75	4.75	5.13	5.63	9.25	6.25	62.250	9
Soccer	7.75	4.50	5.13	7.25	8.25	4.75	3.63	6.25	6.50	7.50	61.500	10
Skiing: Alpine	5.13	5.25	6.00	7.38	6.13	5.63	8.38	6.00	5.13	5.63	60.625	11
Water Polo	7.88	6.63	6.88	5.38	6.38	5.00	4.25	6.38	6.25	5.63	60.625	11
Rugby	6.75	7.00	6.38	5.88	6.00	4.13	6.50	7.88	4.38	5.63	60.500	13
Lacrosse	6.63	5.13	5.75	7.00	6.63	4.75	4.38	6.13	7.13	6.88	60.375	14
Rodeo: Steer Wrestling	4.00	7.00	7.88	3.88	4.88	5.00	7.88	6.88	5.13	4.00	56.500	15

Critique

Critique the visualization: what do you like about it, dislike about it, what do you plan to do differently? Remove this text and highlighting before submitting your work.

This graph details and overviews a degree of difficulty and numbers based off the demand of categories in certain sports, showing how much certain sports emphasize and require these specific categories. I like the vast array of categories and sports they include. However, I think they need to make some of these categories more distinguishable and easier to figure out what they are based off the three-letter abbreviation. I would make the categories clearer to understand and read. I believe they are listing too many sports and should simplify the number to the highest and most popular. Very much Information visualization since it is listing raw numbers in a spreadsheet format instead of

a visually pleasing visualization, using divergent thinking due to the many numbers of categories and sports, with it also not being objective numbers.

Based on your knowledge of the Periodic Table of Visualization Methods (discussed in class this week), discuss which one of the 6 categories does the visualization you provided in the Represent stage falls in. Identify the method most closely related to the visualization in the Represent Stage and discuss the characteristics: overview, detail, detail AND overview, divergent thinking, convergent thinking. Refer to Week 10 Readings to assist with categorizing the visualization.

Mine

What question(s) are you attempting to answer?

What are the top 3 most demanding sports via skill difficulty? Which categories are consistently the highest throughout the top three? Which categories are consistently the lowest?

Filter

Reduced the # of sports to most popular.

Stakeholders

- My audience are people who might be trying to get into sports. Knowing these ratings of difficulty can give them insight. The assumptions I made are that the data provided was collected 4-5 years ago.

What to submit: This document in PDF format only (if you do not know how to do this, see Lab 0 Exercise 1). Save this document as: LastnameFirstInitial_CGT270S22_MakeoverMonday#2.pdf

Choose the best layout for your makeover visualization: Portrait or Landscape, Remove the page of the layout that you DO NOT choose. No blank pages!
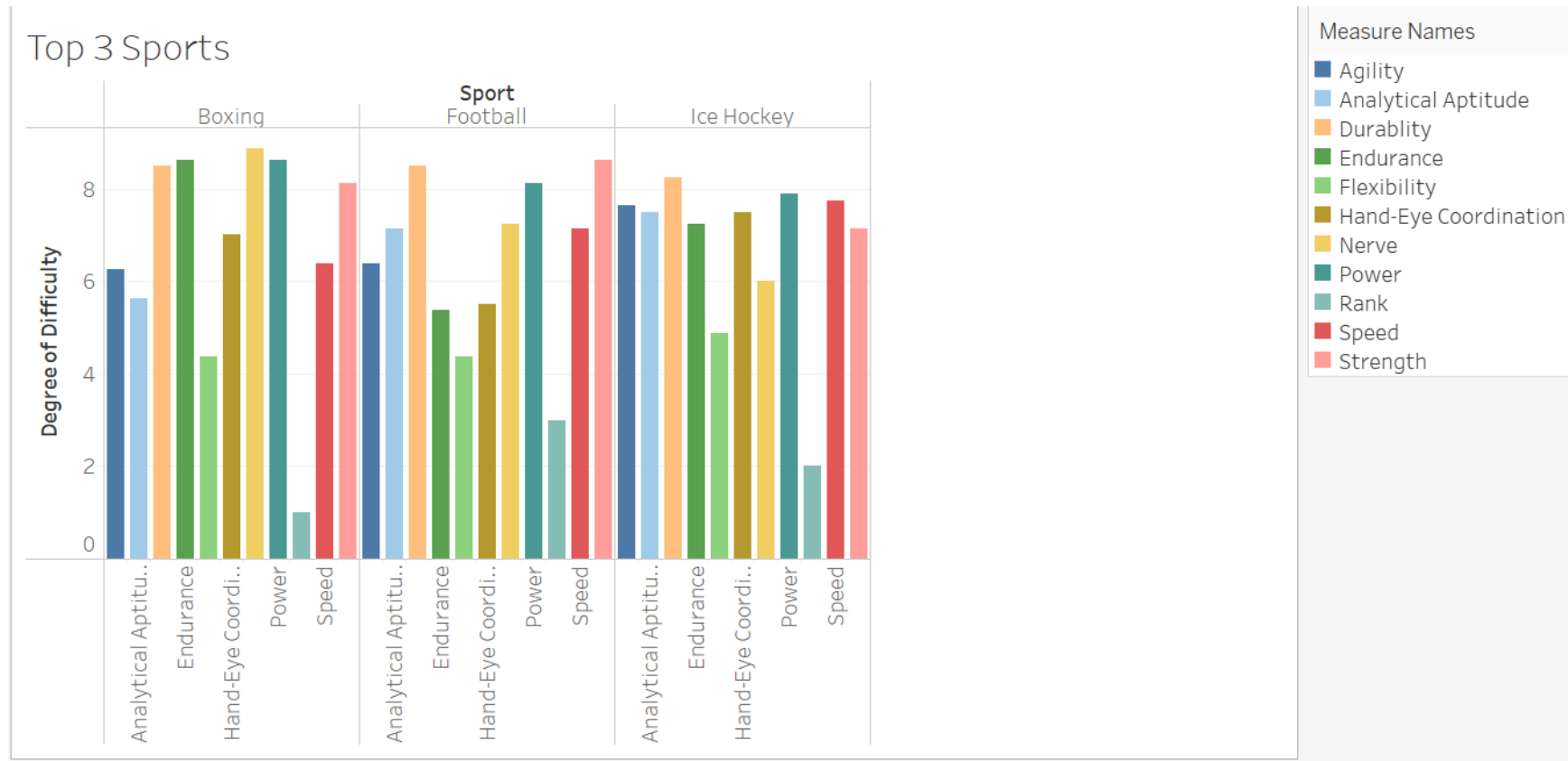
NEW Sketch your Makeover

In the space below, sketch out your ideas for refined visualization. You must use pen/pencil and paper

Refine (Makeover – Landscape view)

Use an additional page if necessary. Remember, the purpose of visualization is "insight." Take and include a screenshot of your visualization and include it below. Use Data Visualization Best Practices (see data visualization checklist).

Resources
Data Visualization Checklist:
http://stephanieevergreen.com/wp-content/uploads/2016/10/DataVizChecklist_May2016.pdf

How to give constructive criticism:
https://personalexcellence.co/blog/constructive-criticism/

Sample Makeovers
https://www.makeovermonday.co.uk/gallery/

Grading Rubric

Excellent	Good	Fair	Needs Improvement
Meets **ALL** or most of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed. [15 pts]	Meets **MOST** of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed. [10 – 14 pts]	Consistently meets **SOME** of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed. [5 – 9 pts]	Little to no evidence of the understanding of the data visualization process. Lackluster makeover or no makeover. Little effort. [0 – 4 pts]
Sketch included: hand drawn, data vis best practices evident. [5 pts]	Sketch included: hand drawn, lacking data vis best practices. [3 pts]	Sketch included, but was generated by computer [2 pts]	No sketch included. [0 pts]
More advanced chart types used [5 pts]	More advanced chart types used, followed most best practices [3 pts]	Basic chat types used in the makeover [2 pts]	Little to no improvement in visual representation of the data [0 pts]