

CGT 270 Data Visualization
Makeover Monday #1 (2018 Dataset)

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Lab section: CGT 270-009

Show your work!!!

Acquire

Week: 19

Date: May 7

Year: 2018

Data: Toughest sport by skill

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

I like the fact that it is ranked according to ten vital skills that are needed to be able to play the sport. I dislike the fact that I had to scroll down to be able to realize what each of the acronyms meant. I also think that this chart is not the best way to visualize the top 15 sports that are difficulty. I plan to use a side-by-side circle chart because it creates a visualization that has an insight about which sport requires a certain amount of any of the categories. The higher the more difficult it is

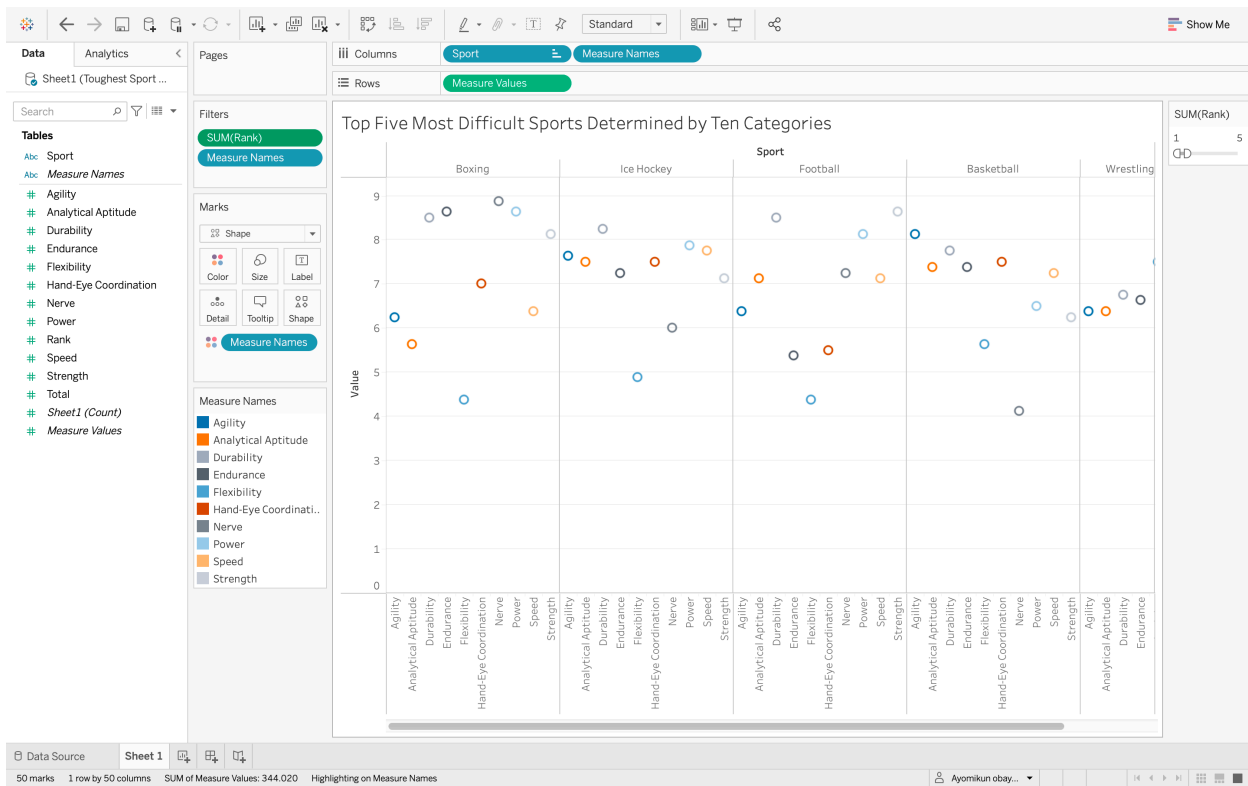
Mine

Can I determine the most difficult sport from the refined visualization?

What do all these decimals underneath each category represent?

Filter

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Stakeholders

- Who is your audience? My audience is a sports critique person or anyone looking to go pro in any of the sports above.
- What assumptions did you make? I made assumptions such as the measure names (the categories) need to be the rows so that my audience can know what I am critiquing (a fair data representation) and the rankings should be ascending.
- What visualization tool/software did you use? I used Tableau

What to submit: This document in PDF format only (if you do not know how to do this, ask).

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!

Refine (Makeover – Portrait View)

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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).

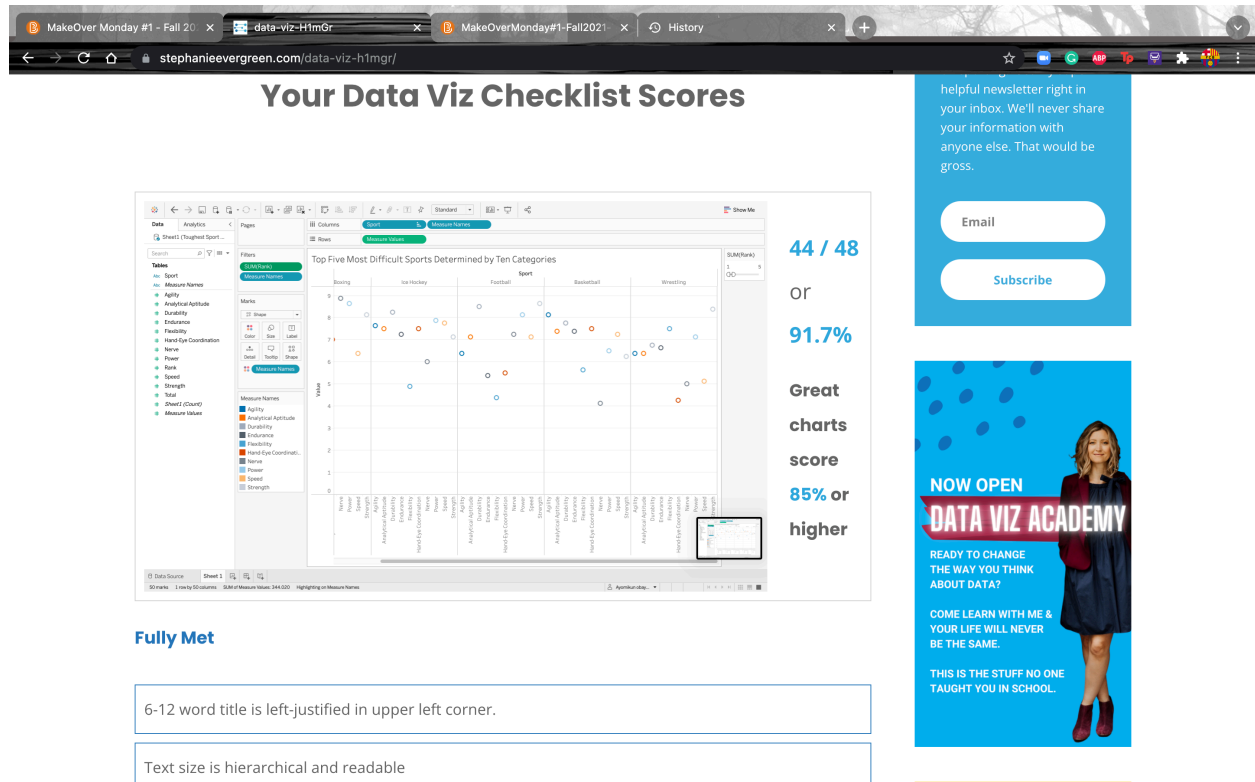
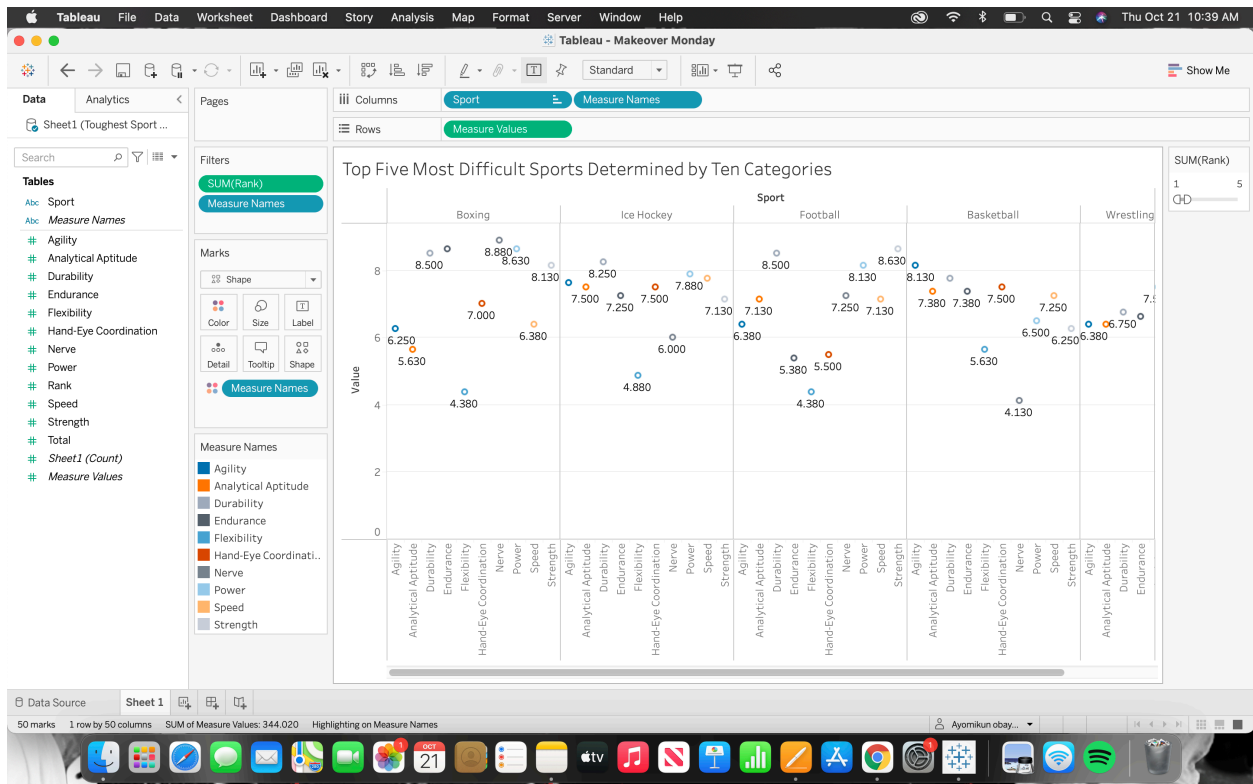


Figure Caption. <Refined Top Five Most Difficulty Sports Determined by Ten Categories>.

Sidenote: Adding the labels made my visualization seem like a lot was going. So I decided to keep it simple.

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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).

CGT 270 Data Visualization
Makeover Monday #1 (2018 Dataset)

Figure Caption. <replace this text with your figure caption>.

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Makeover Monday #1 (2018 Dataset)

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 (21-25 pts)	Good (10-20 pts)	Fair (5 – 9 pts)	Needs Improvement (0 – 4 pts)
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.	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.	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.	Little to no evidence of the understanding of the data visualization process. Lackluster makeover or no makeover. Little effort.