CGT 270 Data Visualization
Makeover Monday #3 (2020 Dataset)

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Lab section: CGT 270-007

Show your work!!!

Acquire

Week: 1

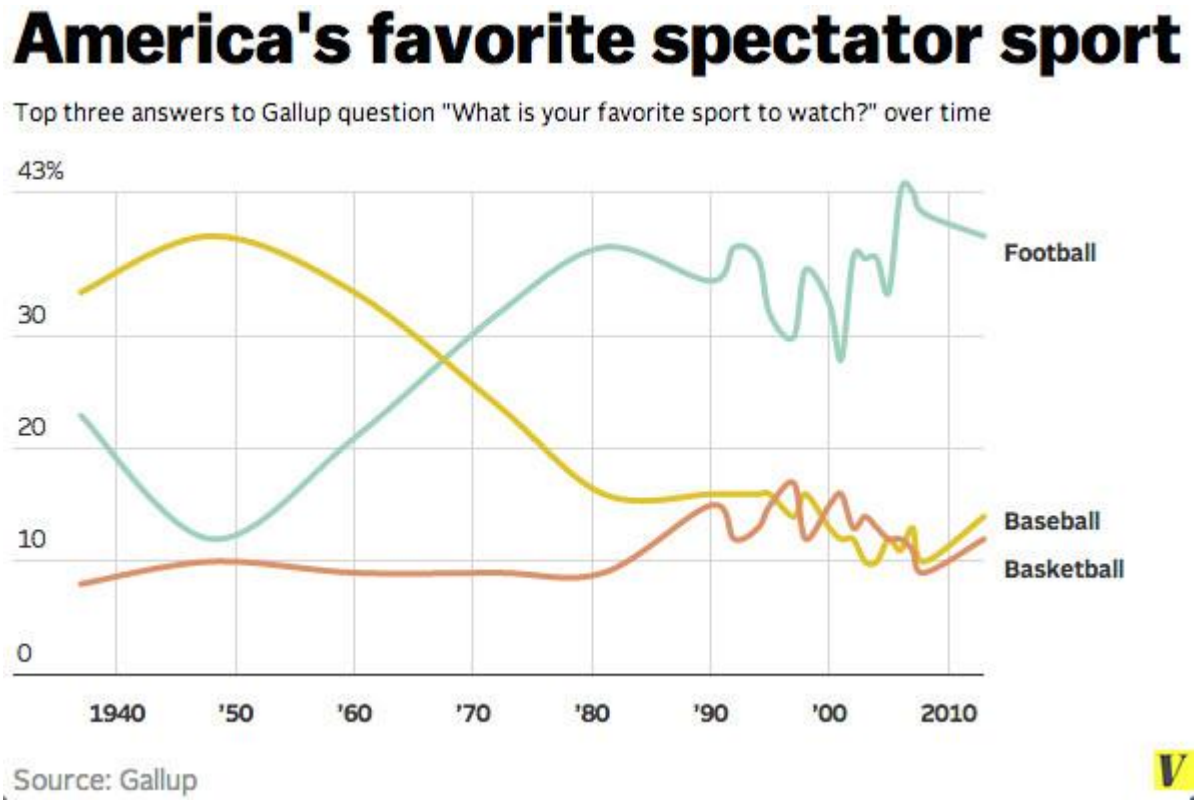
Date: Jan 6 Year: **2020** Data: What is America's most popular sport?

Source Article/Visualization:

40 maps and charts that explain sports in America

https://news.gallup.com/poll/4735/sports.aspx#1

Represent



Critique

I like how the person who did this graph chose to use line chart with smoothing. It really made the graph looks aesthetically pleasing. Because the graph is temporal and showed a trend throughout the years, it did a great job presenting the general preference for audience in terms of what was spectator's favorite sports.

There are some flaws, though, when it comes to the clarity of the last half. The changing frequency for all three sports skyrocketed after ’90 (due to more data points), which made the graph a little bit unbalanced. That’s why the color chose for the three lines is a problem. Red-green color blindness could cause the lines – especially baseball and basketball after ’90 – basically undistinguishable. Many parts of the graph can cause certain confusions for the readers.

In periodic table of data visualization, this graph falls into Data Visualization. It’s a overview line chart with convergent thinking approach. It is also a type of structure visualization.

Mine

What is the trend for the top 4 sports in America from 1937 to 2010?

Filter

	Football	Baseball	Basketball	Soccer	Ice hockey	Auto racing	Figure skati
Dec-17	37	9	11	7	4	2	1
Jun-13	39	14	12	4	3	2	1
Dec-08	41	10	9	3	4	3	1
Dec-07	43	13	11	2	4	3	2
Dec-06	43	11	12	2	2	4	3
Dec-05	34	12	12	3	4	5	3
Dec-04	37	10	13	2	3	5	4
Dec-03	37	10	14	2	5	5	6
Dec-02	37	12	13	2	3	5	4
Mar-01	28	12	16	2	3	6	4
Mar-00	33	13	15	2	5	5	4
Nov-98	36	16	12	2	3	3	2
Apr-97	30	14	17	2	3	7	2
Apr-95	32	16	15	1	3	2	2
Sep-94	37	16	13	2	1	2	3
Aug-94	35	21	11	2	3	2	3
Sep-92	38	16	12	1	4	2	2
Feb-90	35	16	15	1	3	1	2
Jan-81	38	16	9	2	2	1	2
Oct-72	32	24	9	0.5	4	2	1
Jan-72	38	19	10	0.5	5	0.5	0.5
Dec-60	21	34	9	0.5	3	0.5	1
Apr-48	17	39	10	0.5	3	1	0.5
Mar-37	23	34	8	0.5	2	1	1

Stakeholders

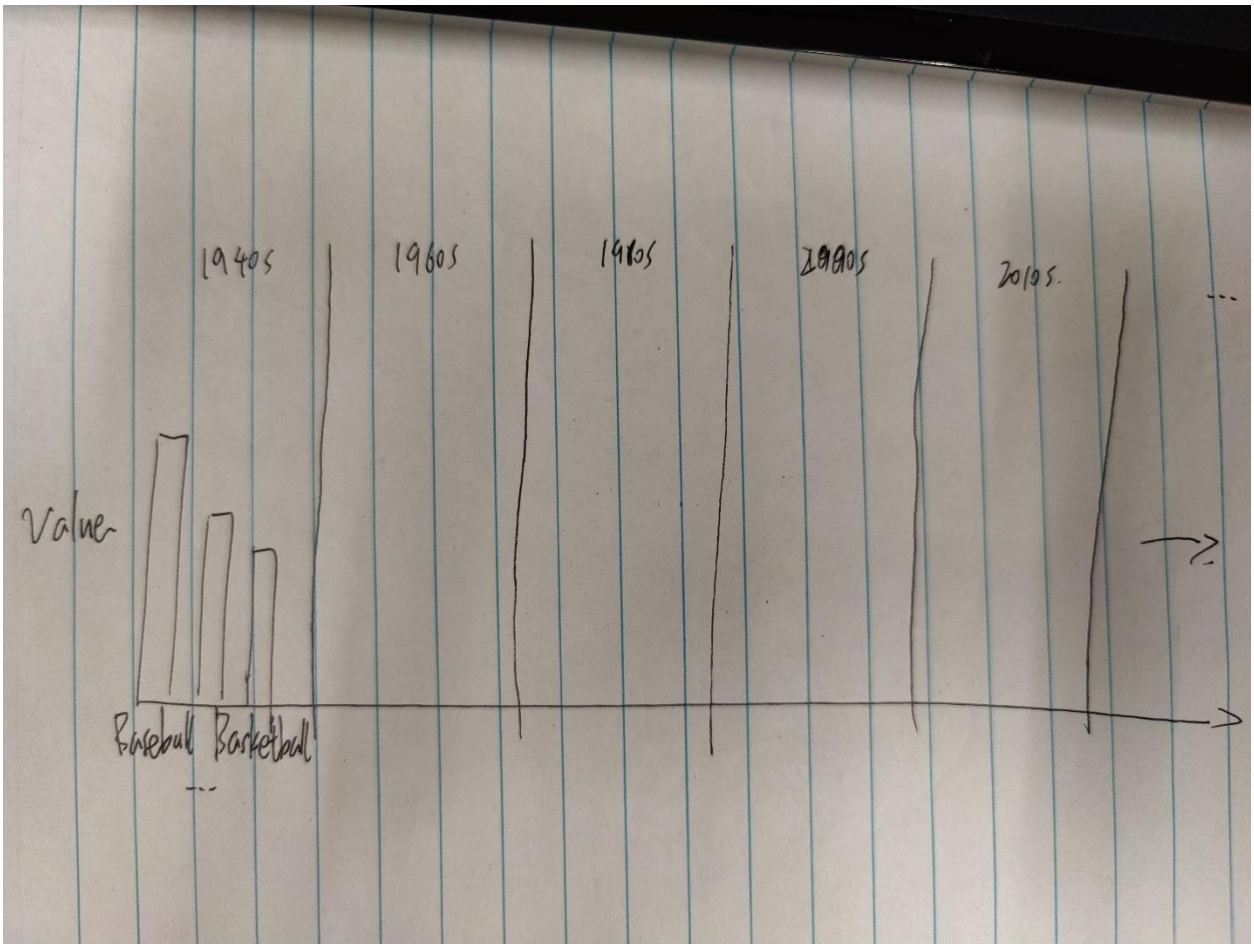
- Who is your audience? What assumptions did you make? What visualization tool/software did you use?

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!

NEW Sketch your Makeover

In the space below, sketch out your ideas for refined visualization. You must use pen/pencil and paper to sketch out your idea, then take a photo of your sketch and include it in the space below.



<u>Refine</u> (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).

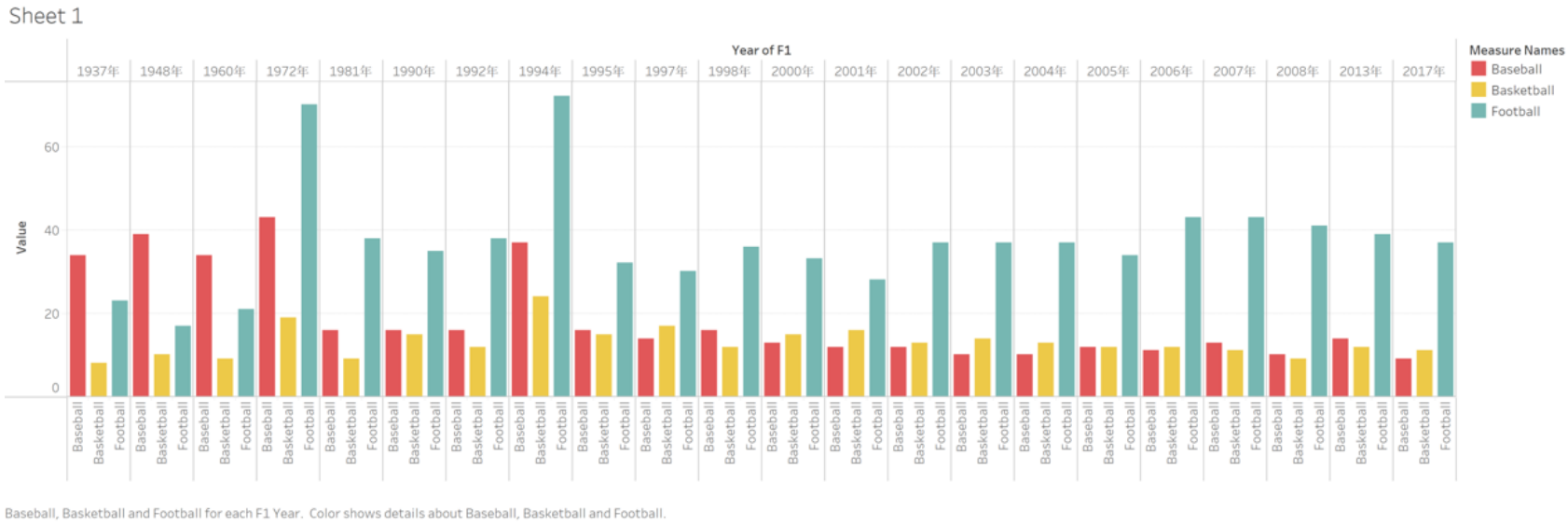


Figure Caption. <replace this text with your figure caption>.

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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 (11-15 pts)	**Good (6 -10 pts)**	**Fair (2-5 pts)**	**Needs Improvement (0 - 1 pt)**
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.
Sketch included: hand drawn [5 pts]	Sketch included, but was generated by computer [2 pts]	No sketch included. [0 pts]	
Makeover Monday Assessment Completed [5 pts]	Makeover Monday Assessment not completed [0 pts]		