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

Name: Ayo Obayomi **Date:** November 4th 2021

Lab section: Thursday - 009

Show your work!!!

Acquire

Week: 24

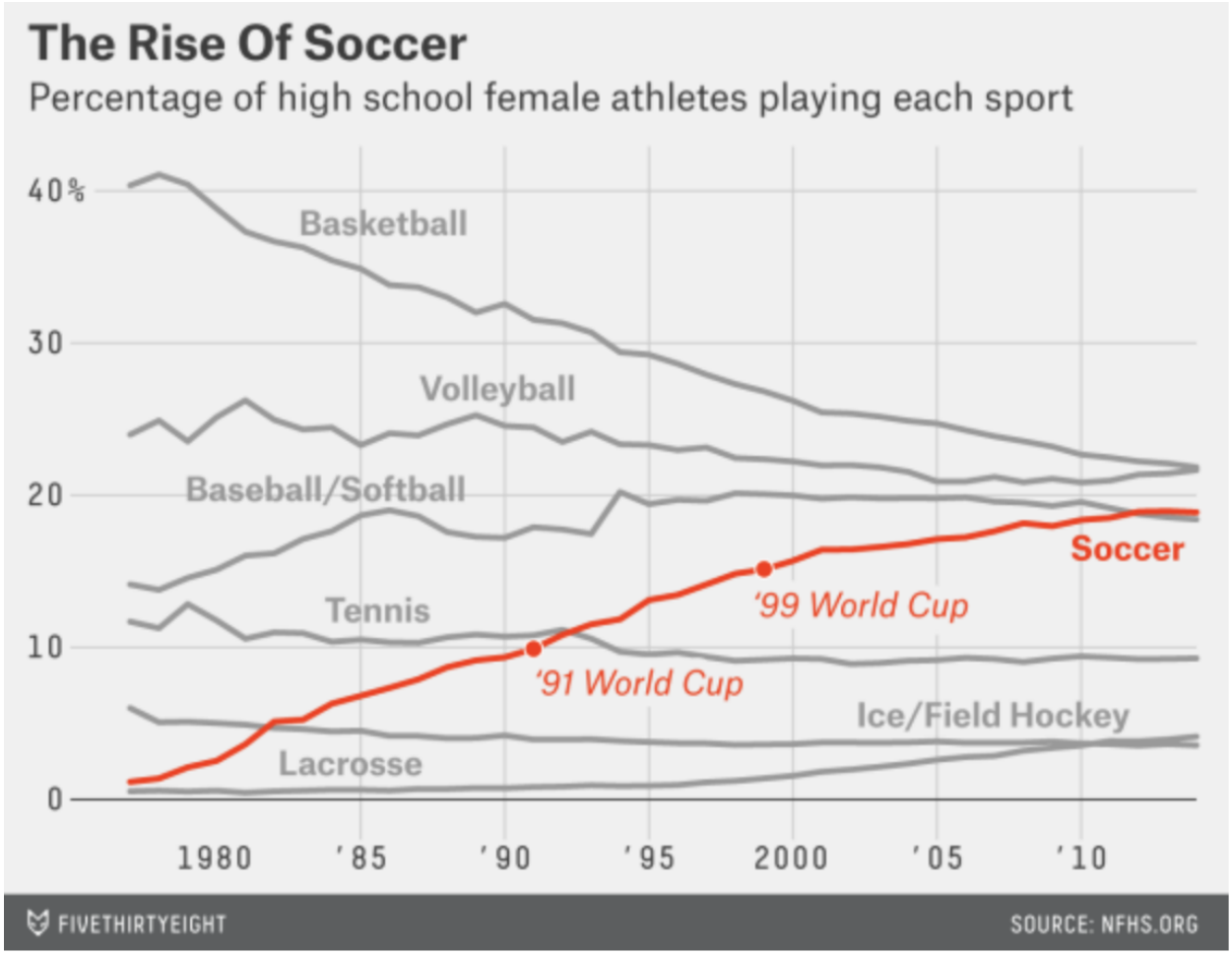
Date: Jun 15 Year: **2020** Data: The rise of soccer

Source Article/Visualization:

https://members.nfhs.org/participation_statistics

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

Represent



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Critique

Critique the visualization: what do you like about it, dislike about it, what do you plan to do differently?

- I like the fact that there is color: red to identify the point of information that needs to be passed across. It helps me understand more the growth of how popular become through the World Cups that had a catalyst affection on soccer to make more popular amongst the other sports that females play.
- I dislike the fact that the lines are all over the place. It is also quite difficult to tell the meaning of the lines that are touching for the various sports.
- I plan to focus my attention majorly on the different sports that are available and have a large number of girls' participating in various states across the United States of America.
- The overview of this visualization is a line graph as it shows the steadiness of the growth of the rise of soccer.
- The visualization has convergent thinking attached which means the person that created this visualization wanted his audience to the trend of percentages over the years of how soccer grow into a popular sport for females.

Mine

What question(s) are you attempting to answer?

- Which state and sport has the highest percentage of girls' participating?
- Which sport might have the least percentage?
-

Filter

Show (display, list, make it visible) the filtered data.

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Year	State	Sport	Boys School	Girls School	Boys Participation	Girls Participation
2018/2019	AL	Adapted Basketball	0	0	0	0
2018/2019	AL	Adapted Bocce - Indoor	0	0	0	0
2018/2019	AL	Adapted Bowling	0	0	0	0
2018/2019	AL	Adapted Floor Hockey	0	0	0	0
2018/2019	AL	Adapted Soccer	0	0	0	0
2018/2019	AL	Adapted Softball	0	0	0	0
2018/2019	AL	Adapted Track	0	0	0	0
2018/2019	AL	Adapted Volleyball	0	0	0	0
2018/2019	AL	Adaptive Corn Toss	0	0	0	0
2018/2019	AL	Adaptive Golf	0	0	0	0
2018/2019	AL	Adaptive Handball	0	0	0	0
2018/2019	AL	Adaptive Strength Training	0	0	0	0
2018/2019	AL	Adaptive Tennis	0	0	0	0
2018/2019	AL	Air Riflery	0	0	0	0
2018/2019	AL	Archery	0	0	0	0
2018/2019	AL	Badminton	0	0	0	0
2018/2019	AL	Baseball	396	0	14100	0
2018/2019	AL	Basketball	413	413	13648	8559
2018/2019	AL	Bass Fishing	0	0	0	0
2018/2019	AL	Beach Volleyball	0	0	0	0
2018/2019	AL	Bocce - Outdoor	0	0	0	0
2018/2019	AL	Bowling	108	97	731	610
2018/2019	AL	Canoe Paddling	0	0	0	0
2018/2019	AL	Competitive Spirit* (Boys who cheer/Girls who cl	0	0	0	0
2018/2019	AL	Crew	0	0	0	0
2018/2019	AL	Cross Country	258	258	3804	2669
2018/2019	AL	Cycling	0	0	0	0
2018/2019	AL	Dance	0	0	0	0
2018/2019	AL	Dance/Drill	0	0	0	0
2018/2019	AL	Dance Team, High Kick	0	0	0	0
2018/2019	AL	Dance Team, Jazz	0	0	0	0
2018/2019	AL	Decathlon	30	0	88	0
2018/2019	AL	Drill Team	0	0	0	0
2018/2019	AL	Equestrian	0	0	0	0

Stakeholders

- Who is your audience? Any aspiring young girl dreaming of playing a sport
- What assumptions did you make?
    - Only states like California, Florida, and Texas would have a higher chance of girls' participating in sports
    - States on the coast will have enough money to build an indoor facility for their athletes because of the cold
    - Do girls participating in these sports have a higher chance of going professional than boys'?
- What visualization tool/software did you use? Tableau

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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

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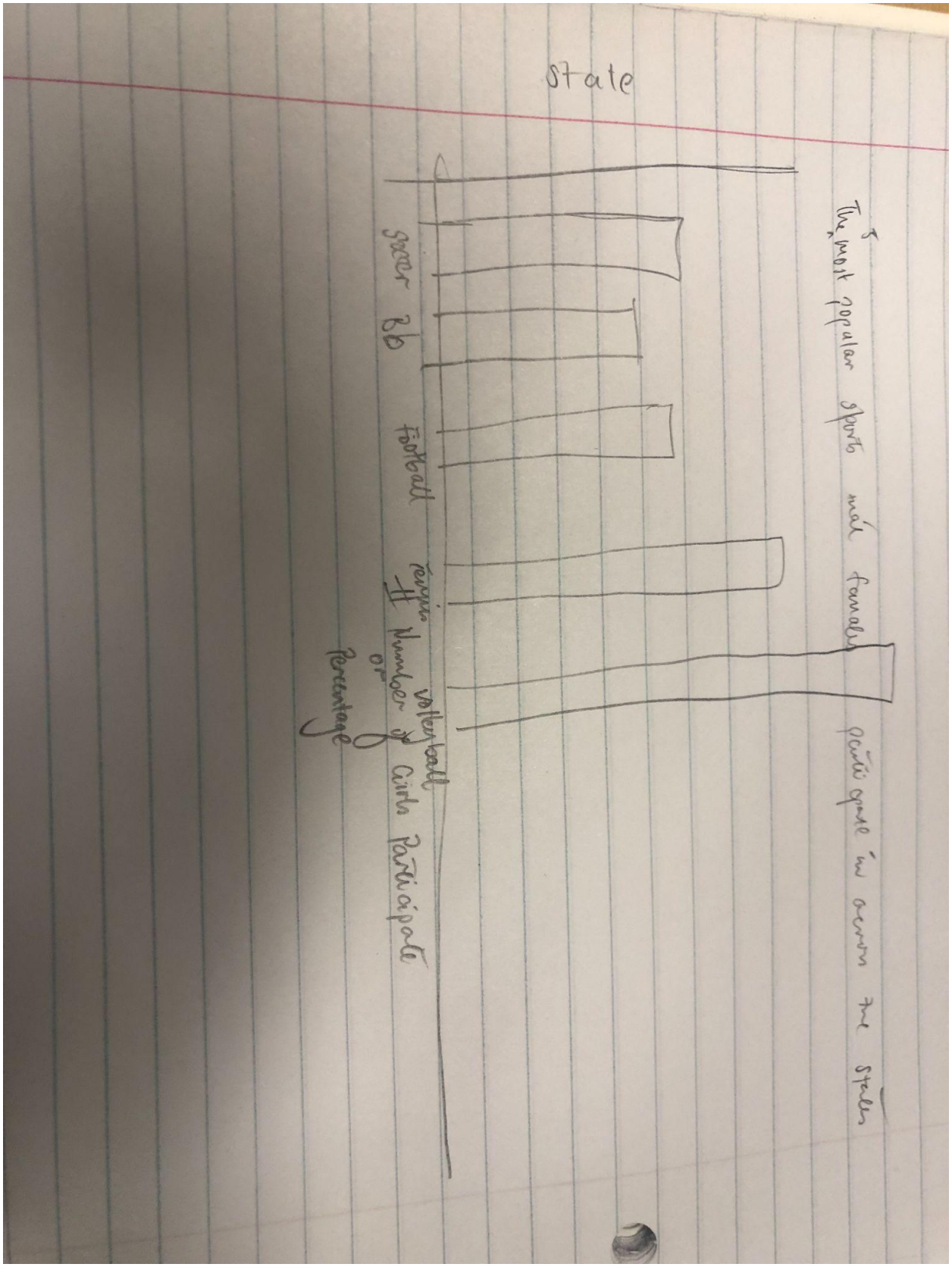
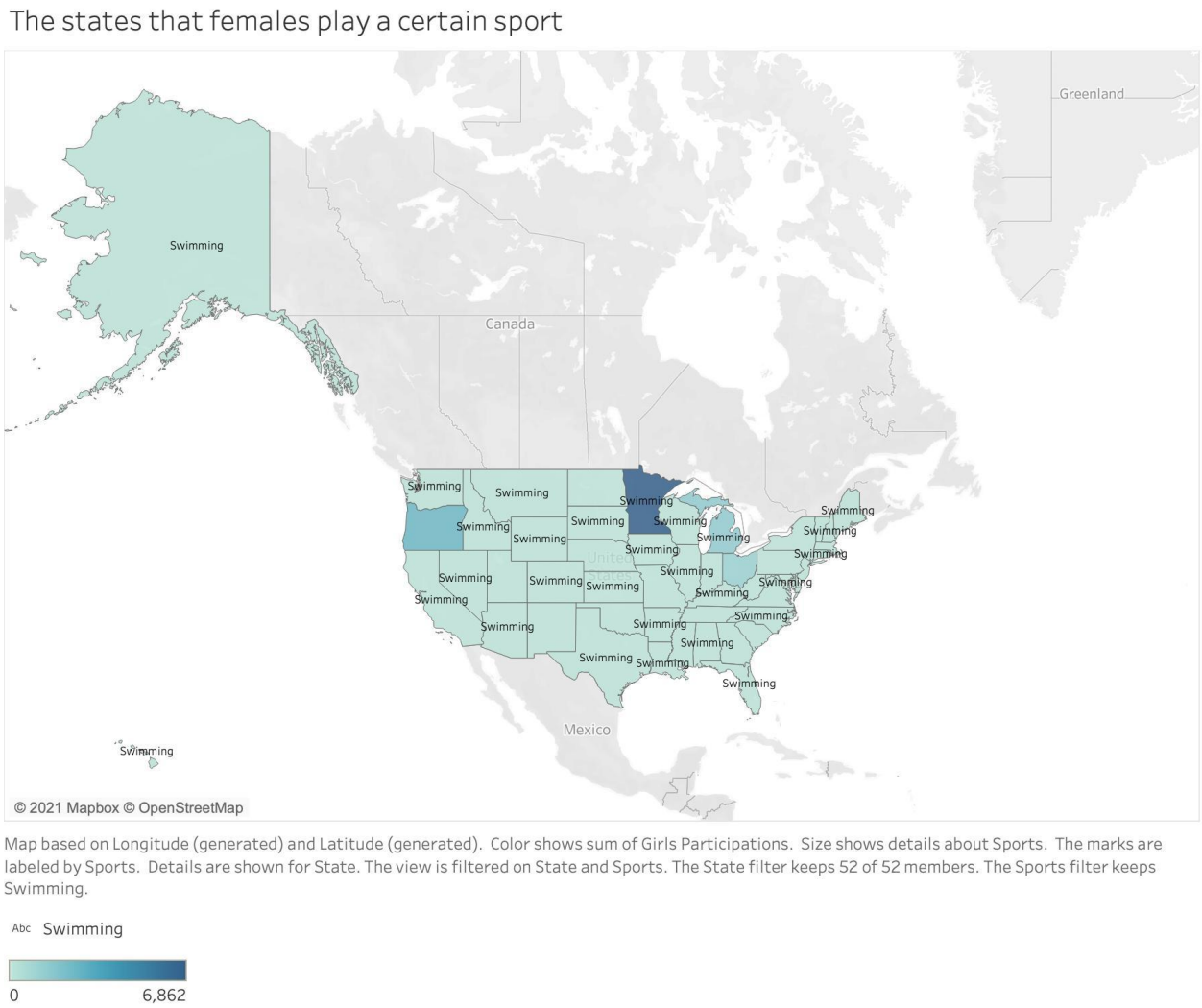
In the space below, sketch out your ideas for refined visualization. You must use pen/pencil and paper to sketch out your idea, then take a photo of your sketch and include it in the space below.


State
The most popular sports male females participate in across the states
Soccer
BB
Football
Volleyball
Y Number of Girls Participate or Percentage

<u>Refine</u> (Makeover – Portrait View)

In the space below, show the computer-generated version of your sketch using the visualization tool of your choice. DO NOT draw what you sketched. The visualization should be created with the visualization tool (Tableau, Excel, Power BI, etc., of your choosing). 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).



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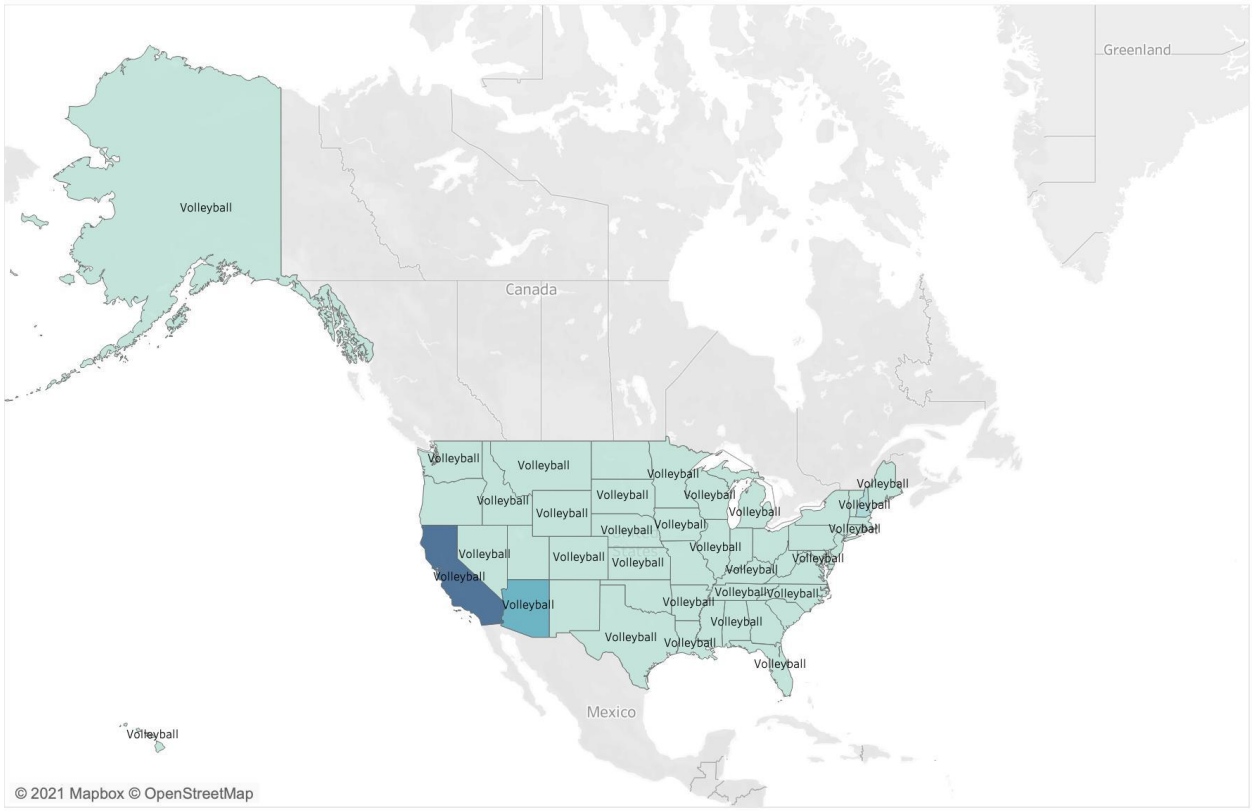
The states that females play a certain sport



Map based on Longitude (generated) and Latitude (generated). Color shows sum of Girls Participations. Size shows details about Sports. The marks are labeled by Sports. Details are shown for State. The view is filtered on State and Sports. The State filter keeps 52 of 52 members. The Sports filter keeps Volleyball.

Abc Volleyball

0 4,638

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I have created a visualization in which my audience can search for a particular sport (using the filter) and see which states has the highest participation rate for girls. I also changed my mind to use a map instead of a bar graph because I felt it could show more of insight since I was using a particular variable called States.

Figure Caption. <The States that Females play a certain sport>.

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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]		