Name: Matthew Gallagher   **Date:** November 4, 2021

Lab section: Thursday

Show your work!!!

Acquire

Week: 36

Date: September 7   Year: **2020**   Data: data.world

Source Article/Visualization:

Viz by Max and Sam Preston: Breakfast Cereals

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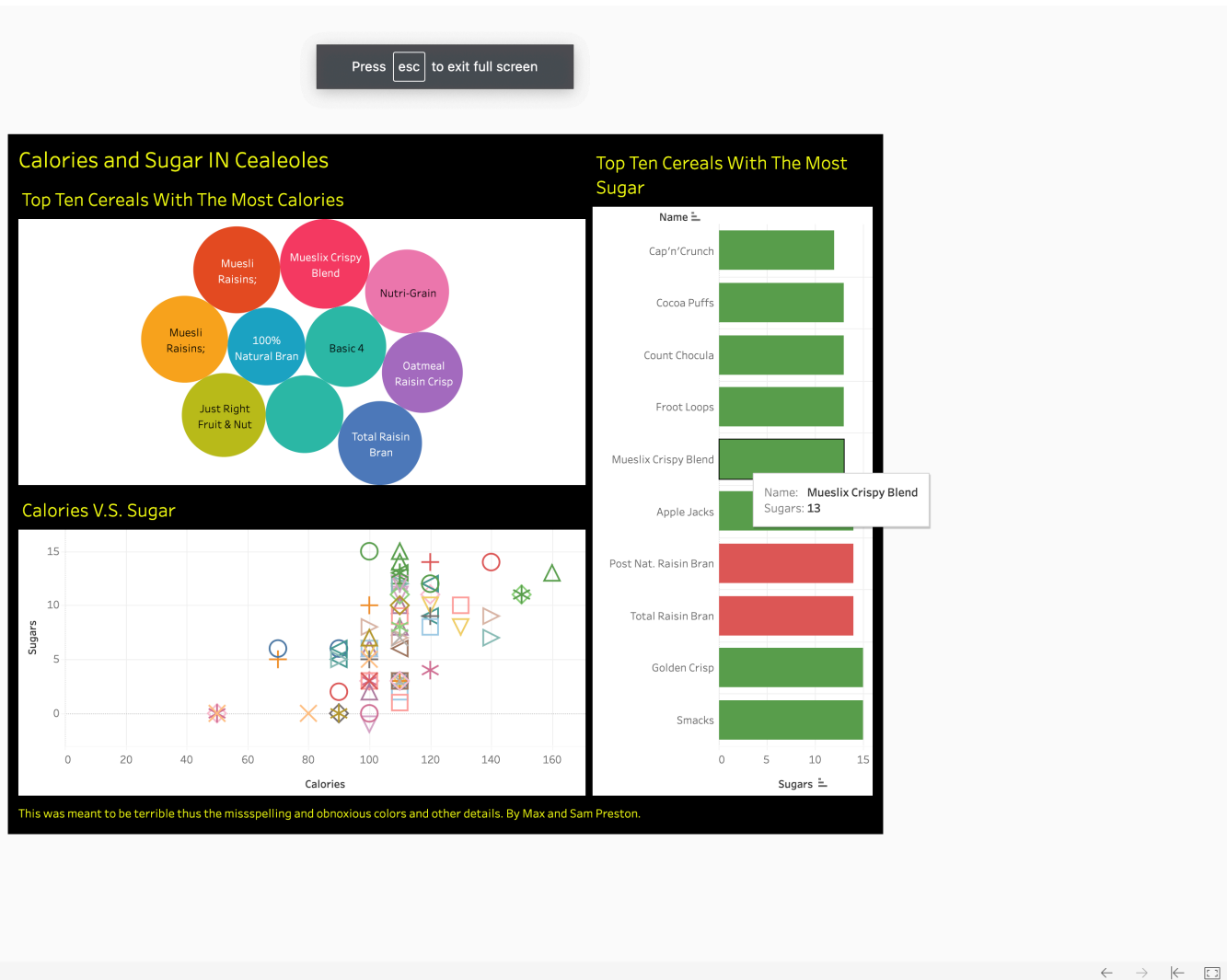
Represent

Critique

There is not a lot of good things to say about this visualization. I will give the person credit for picking an interesting topic to draw the audience in. They also picked an effective chart to represent the data. The chart was very poorly executed. The font is hard to read, there are random red bars. The bars are also not in descending order even though it's supposed to be a ranking chart. Also I do like the point they are trying to get across. The creator is trying to see if the most calorie cereals also have the most sugar. The other two graphs are just terrible. The symbols were very unnecessary for the scatterplot. The colors are also very poor. The bubble chart has the same size circles which completely defeats the purpose of one. Also one of the circles is blank.Another thing I found as I was working is this is not colorblind friendly. The bar chart is using red and green.

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.

The charts fall into the data visualization category on the very left One of the charts is a "B" because it is a bar chart. The bar chart is simple and very inside the box. Because of this it is an overview and convergent thinking chart. The last chart is a bubble chart. I could not find it on the table but I assume it is left in data visualization like the others.

Mine

Do high calorie cereals also have high sugar?

Filter

Cap'n'Crunch	12
Mueslix Crispy Blend	13
Froot Loops	13
Count Chocula	13
Cocoa Puffs	13
Total Raisin Bran	14
Post Nat. Raisin Bran	14
Apple Jacks	14
Smacks	15
Golden Crisp	15

|	
Cap'n'Crunch	120
100% Natural Bran	120
Oatmeal Raisin Crisp	130
Basic 4	130
Total Raisin Bran	140
Nutri-Grain Almond-Raisin	140
Just Right Fruit & Nut	140
Muesli Raisins; Peaches; & Pecans	150
Muesli Raisins; Dates; & Almonds	150
Mueslix Crispy Blend	160

Stakeholders

- My audience is any parents who are concerned about healthy cereals. Also just the average curious person that wonders is high calories mean high sugars. Once again this is not true.

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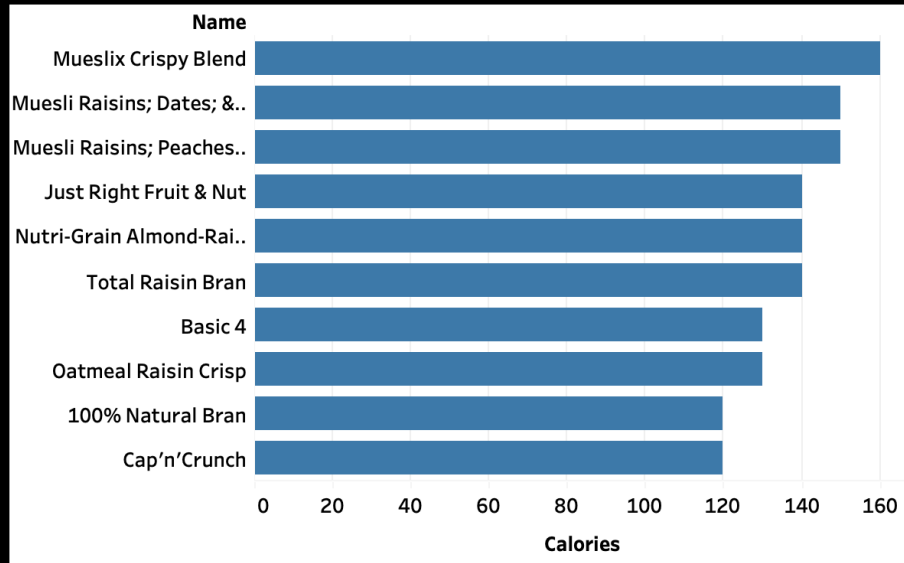

NEW Sketch your Makeover

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.
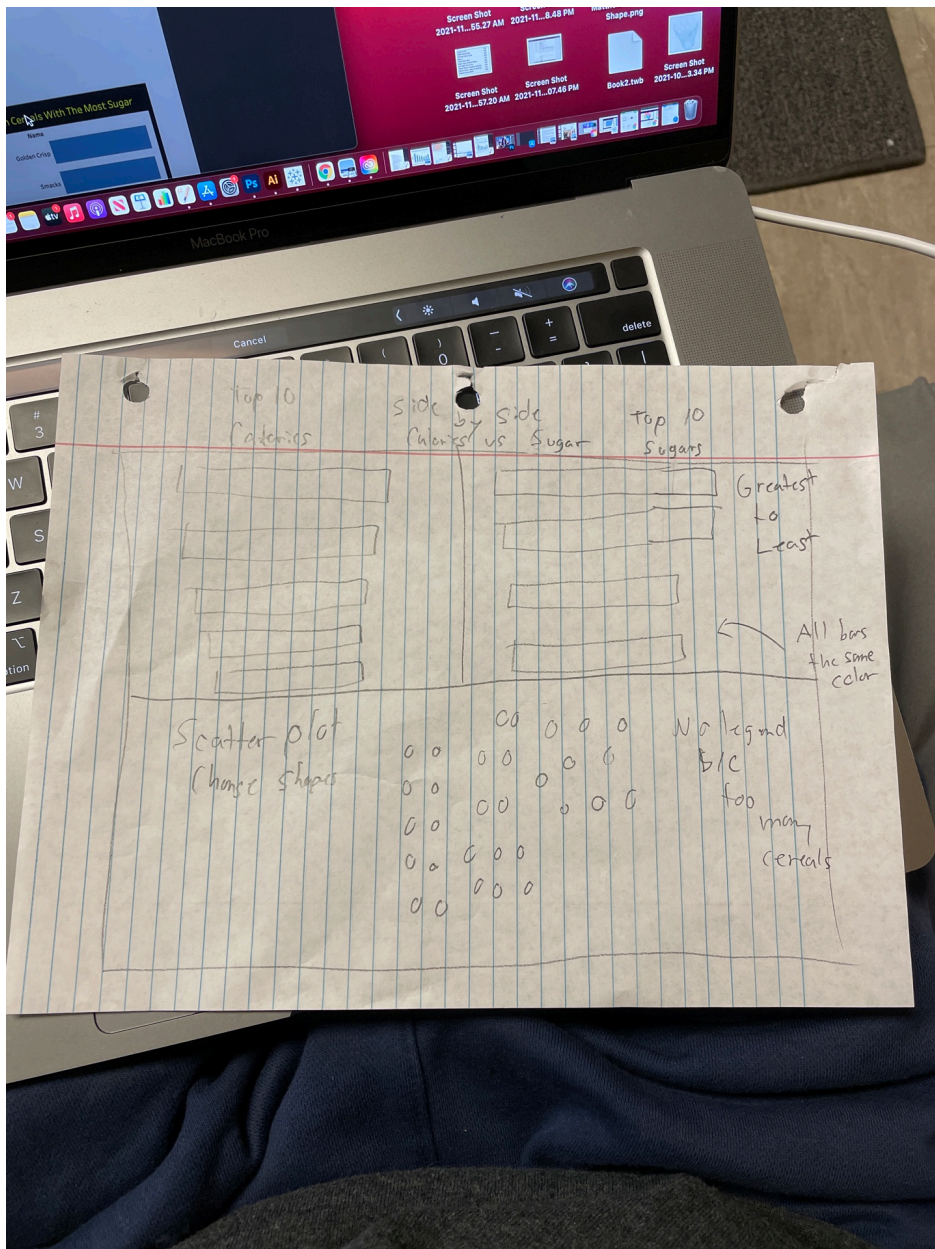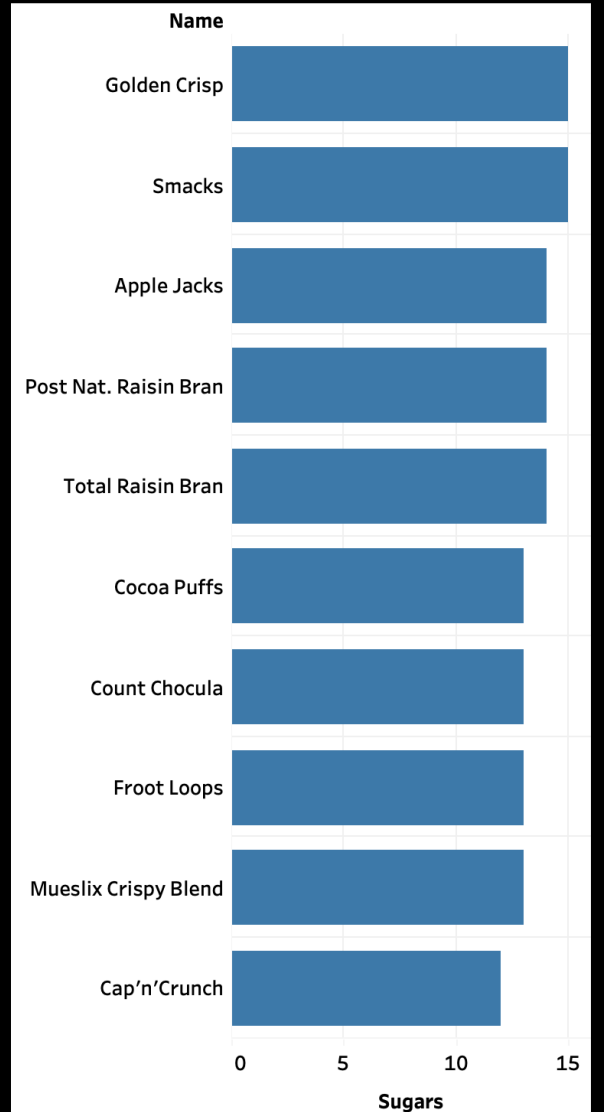
Refine (Makeover – Landscape view)
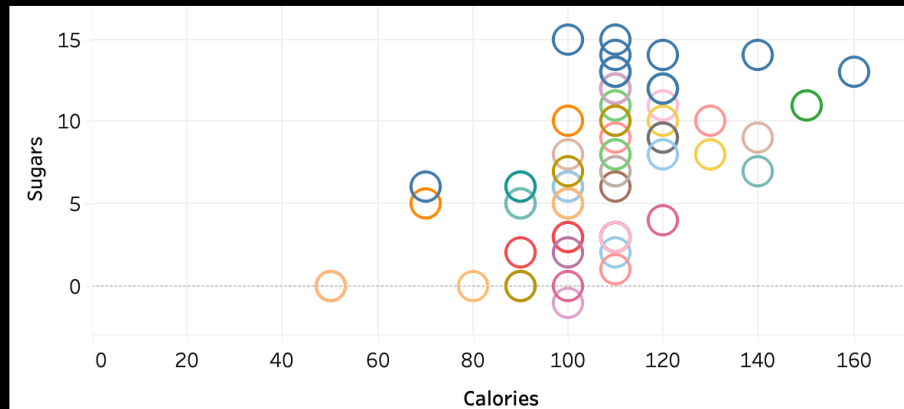
Calories and Sugar IN Cealeoles

Top Ten Cereals With The Most Calories

Calories V.S. Sugar

Top Ten Cereals With The Most Sugar

Do Cereals with the most calories also have the most sugar?

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]		