CGT 270 Data Visualization
Makeover Monday #1 (2019 Dataset)

Name: Grace Combs **Date:** 3/20/22 **Max points:** 25

Lab section: Wednesday

Show your work!!!

Acquire

Week: 9

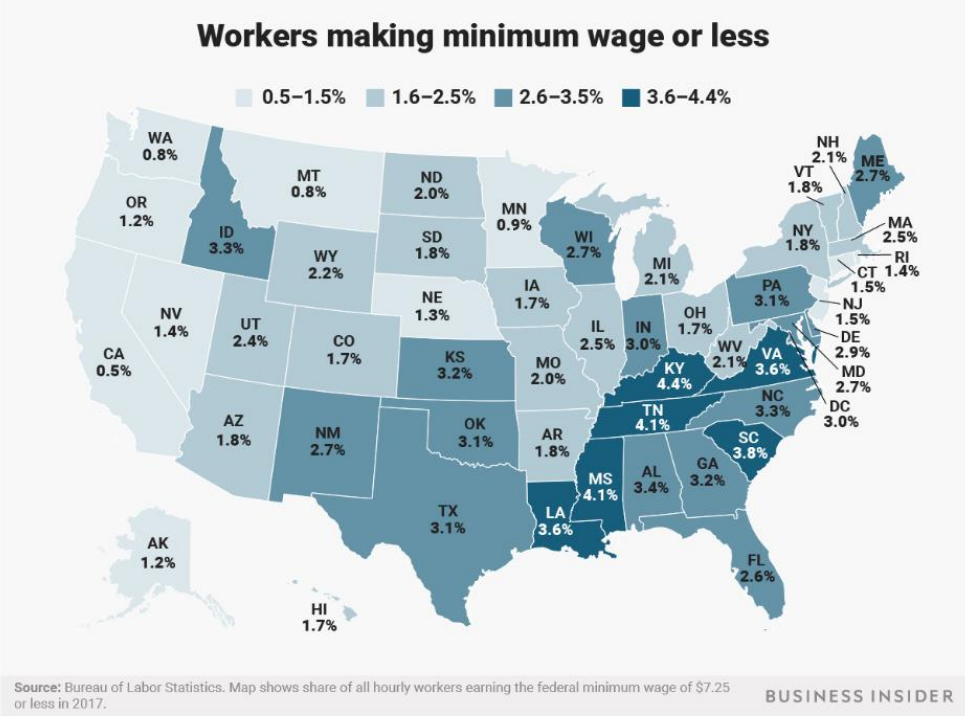
Date: 3/9 Year: **2019** Data: Minimum Wage Data

Source Article/Visualization:

How many people earned the Federal minimum wage or less in each State? Data source: Bureau of Labor Statistics

https://www.makeovermonday.co.uk/data/data-sets-2016/

Represent



Critique

I like that the visualization uses a map because it is easy to associate the percentages with the state it belongs to. I dislike the increments of percentages that correlate with color and that the graph does not specify in the title that this data is only for the year 2017 when the data set has other years and instead it only mentions it at the bottom. I will improve the clarity of the title and format the percentages to be less complicated.

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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.

This representation is a Data Map, which is under the Information Visualization category. Its characteristics are overview and convergent thinking.

Mine

What percentage of people by state, in 2017 specifically, earn at or below minimum wage?

Filter

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

Year	State	Total
2017	Alabama	3.40%
2017	Alaska	1.20%
2017	Arizona	1.80%
2017	Arkansas	1.80%
2017	California	0.50%
2017	Colorado	1.70%
2017	Connecticut	1.50%
2017	Delaware	2.90%
2017	District of Columbia	3.00%
2017	Florida	2.60%
2017	Georgia	3.20%
2017	Hawaii	1.70%
2017	Idaho	3.30%
2017	Illinois	2.50%
2017	Indiana	3.00%
2017	Iowa	1.70%
2017	Kansas	3.20%
2017	Kentucky	4.40%
2017	Louisiana	3.60%
2017	Maine	2.70%
2017	Maryland	2.70%
2017	Massachusetts	2.50%
2017	Michigan	2.10%
2017	Minnesota	0.90%
2017	Mississippi	4.10%
2017	Missouri	2.00%

2017	Montana	0.80%
2017	Nebraska	1.30%
2017	Nevada	1.40%
2017	New Hampshire	2.10%
2017	New Jersey	1.50%
2017	New Mexico	2.70%
2017	New York	1.80%
2017	North Carolina	3.30%
2017	North Dakota	2.00%
2017	Ohio	1.70%
2017	Oklahoma	3.10%
2017	Oregon	1.20%
2017	Pennsylvania	3.10%
2017	Rhode Island	1.40%
2017	South Carolina	3.80%
2017	South Dakota	1.80%
2017	Tennessee	4.10%
2017	Texas	3.10%
2017	Utah	2.40%
2017	Vermont	1.80%
2017	Virginia	3.60%
2017	Washington	0.80%
2017	West Virginia	2.10%
2017	Wisconsin	2.70%
2017	Wyoming	2.20%

Stakeholders

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

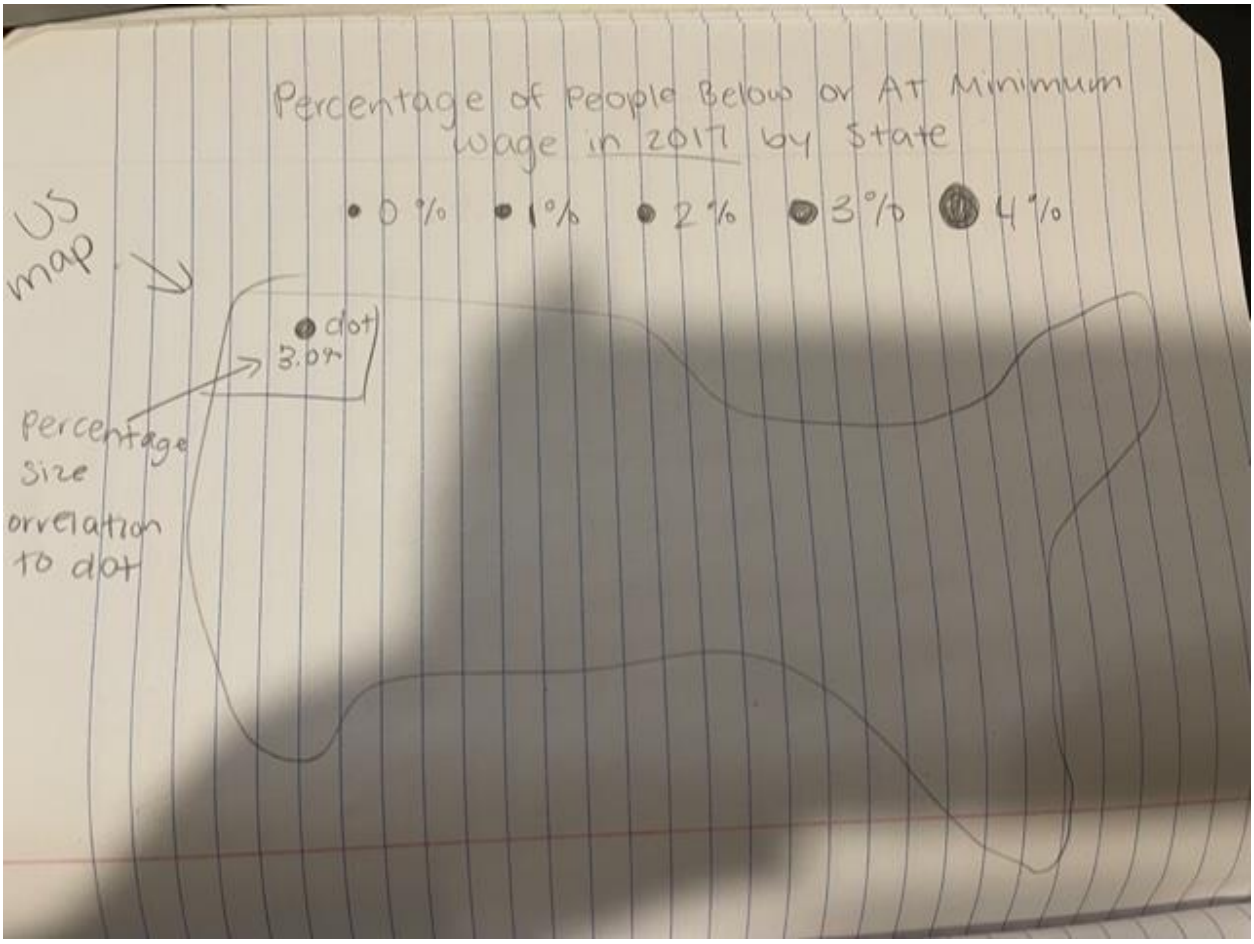
  My audience is everyday people curious about minimum wage or activists fighting for higher minimum wage. I assume all the data is accurate and also that using the most recent year in the data is the most accurate way to apply the data to today. I used Tableau to create my visualization.

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#1.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 to sketch out your idea, then take a photo of your sketch and include it in the space below.


Percentage of People Below or AT Minimum wage in 2017 by State
0 %
1 %
2 %
3 %
4 %
US map
dot
3.0%
Percentage
Size
orrelation
to dot

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<u>Refine</u> (Makeover – Landscape view)

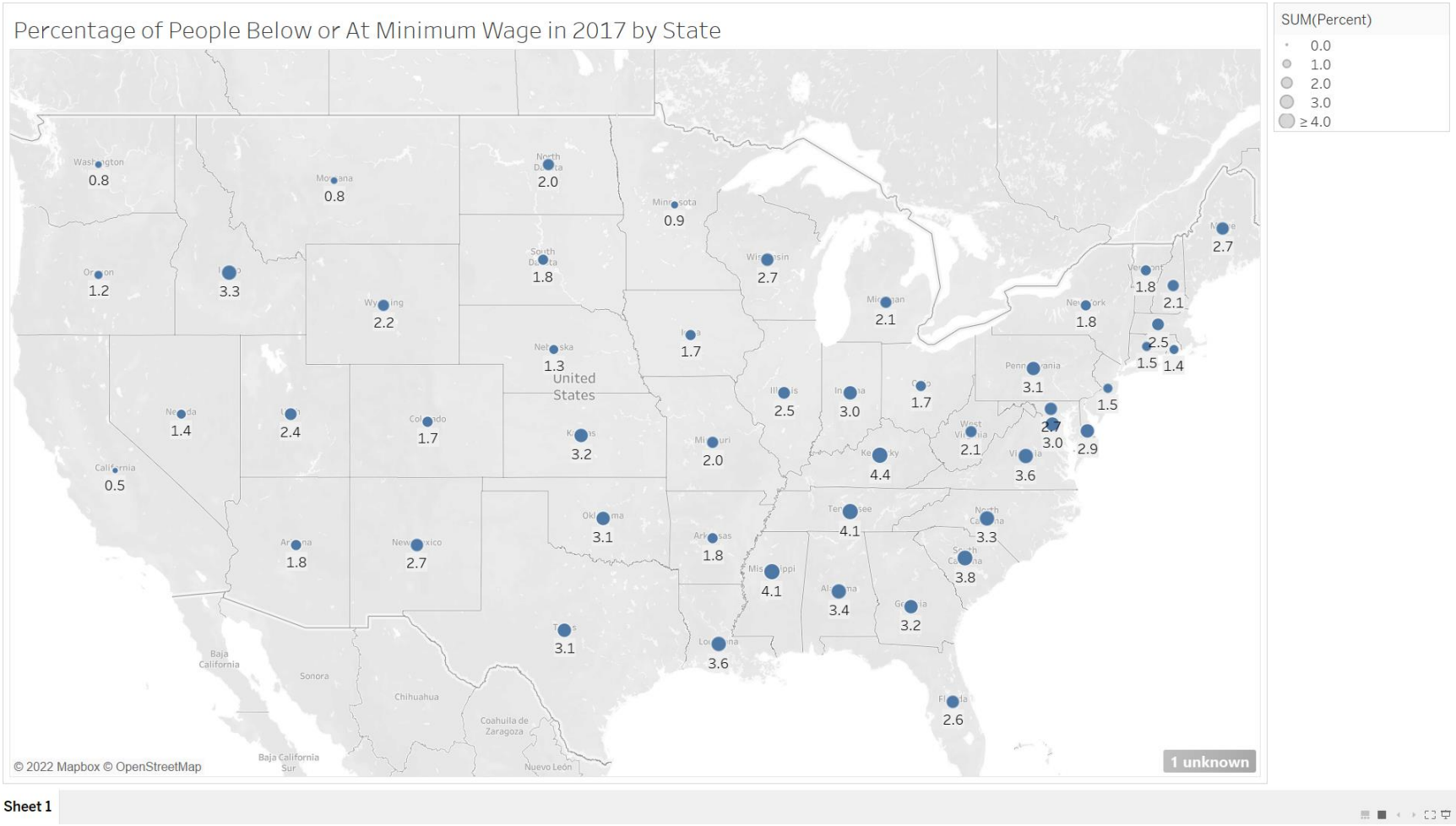

Figure Caption: Percentage of People Below or At Minimum Wage in 2017 by State

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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	**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]