Name: Russhell Campbell   **Date:** Tuesday October 26, 2021

Lab section: Tuesday Section

Show your work!!!

Acquire

Week: 47

Date: Nov 19   Year: **2019**   Data: data.world

Source Article/Visualization:

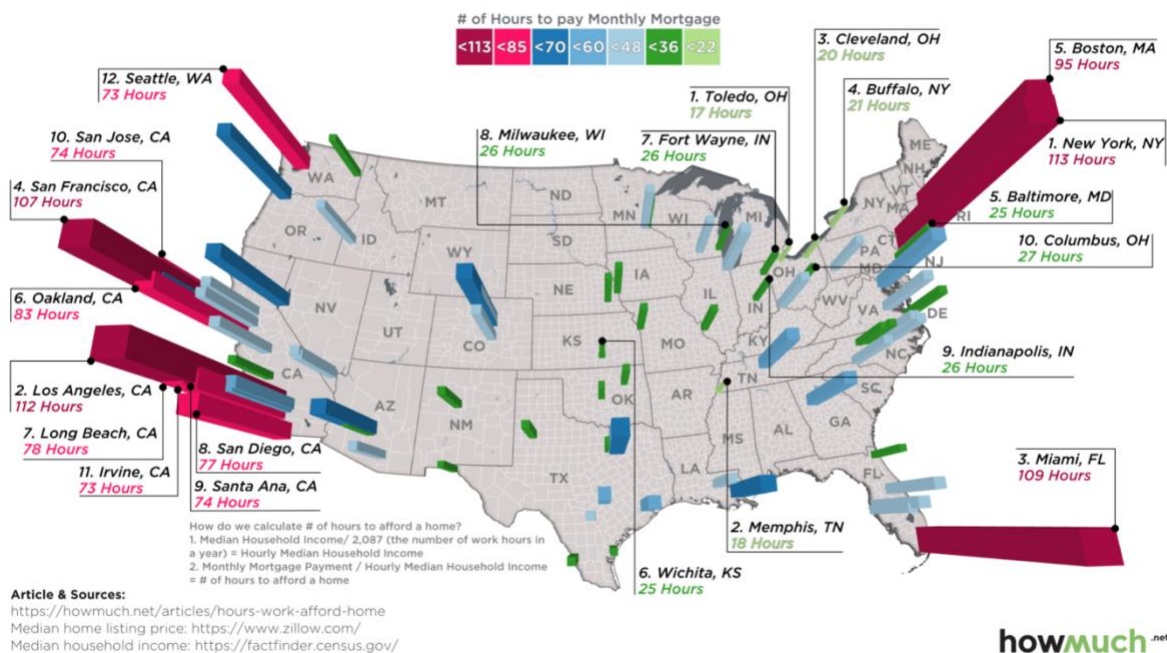How Many Hours Americans Need to Work to Pay Their Mortgage
Data Source: howmuch.net

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

Represent

Critique

I appreciate the information on how the data was recorded and calculated. Providing such information adds transparency. The color legend is also good on this graphic, instead of using a gradient effect, the distinct colors helps viewers understand the difference in hours. While the graphic is aiming to provide necessary information to the viewer, the graphic can be deemed cluttered. I would take the colors of the bars and used them to color the corresponding states. I would omit the bars completely and keep the data labels.

This visual representation of data is considered to be an information visualization. Specifically it is a data map, displaying the data in an image format. This can be seen with the map and bars used to display the hours needed to pay a mortgage. It focuses as overview, a macro review of the selected data. This can be seen by showing select cities and states data information. The map also uses convergent thinking; this can be evident in how there is an range of hours and the selection of cities and states.

Mine

I want to answer the question of what are hours and average hours needed to pay a mortgage in the Midwest.

Filter

| City	State	Median Home L	30-year Fixed I	Monthly Mortg	Median Househ	Hours per Mon	Number of Peri	Present Value
Toledo	Ohio	74,900	3.61%	273	33,687	16.9	360	59,920
Cleveland	Ohio	70,000	3.61%	255	26,150	20.3	360	56,000
Wichita	Kansas	153,900	3.57%	558	45,947	25.3	360	123,120
Fort Wayne	Indiana	149,900	3.57%	543	43,774	25.9	360	119,920
Milwaukee	Wisconsin	124,800	3.57%	452	35,958	26.2	360	99,840
Indianapolis	Indiana	145,000	3.62%	529	41,987	26.3	360	116,000
Columbus	Ohio	163,840	3.61%	597	45,659	27.3	360	131,072
St. Louis	Missouri	148,240	3.60%	539	35,599	31.6	360	118,592
Saint Paul	Minnesota	205,000	3.59%	745	48,757	31.9	360	164,000
Kansas City	Missouri	195,000	3.60%	709	45,821	32.3	360	156,000
Madison	Wisconsin	264,900	3.57%	960	54,896	36.5	360	211,920
Cincinnati	Ohio	179,900	3.61%	655	33,604	40.7	360	143,920
Chicago	Illinois	299,000	3.59%	1,086	48,522	46.7	360	239,200

Stakeholders

- The stakeholders can be for prospective or current home owners who are looking for an affordable home with that their skillset, expertise, and education can afford them.

Refine (Makeover – Landscape view)

Hours Needed to Afford to Pay a Mortage
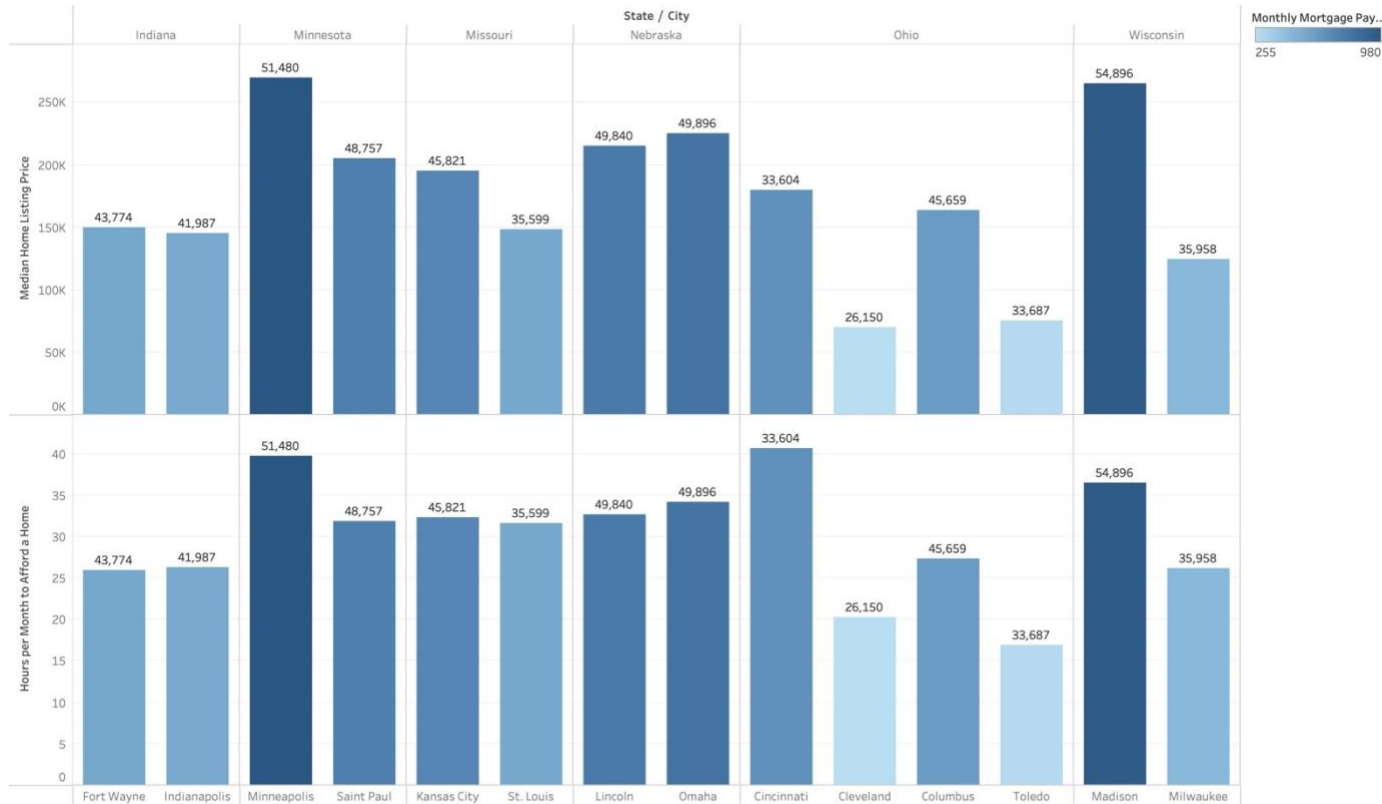
Sum of Median Home Listing Price and sum of Hours per Month to Afford a Home for each City broken down by State. Color shows sum of Monthly Mortgage Payment. The marks are labeled by sum of Median Household Income. The view is filtered on State, which keeps 6 of 32 members.

The Hours Needed to Afford to Pay a Mortgage in the Midwest. The Midwest states are determined by the federal government.

Fall 2021 – Makeover Monday #2

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.