

CGT 270 Data Visualization
Makeover Monday #2 (2020 Dataset)

Name: Saswat Mishra **Date:** 3/24/22 **Max points:** 25

Lab section: Thursday

Show your work!!!

Acquire

Week: 11

Date: 3/24/2022

Year: 2020

Data: Child Marriage

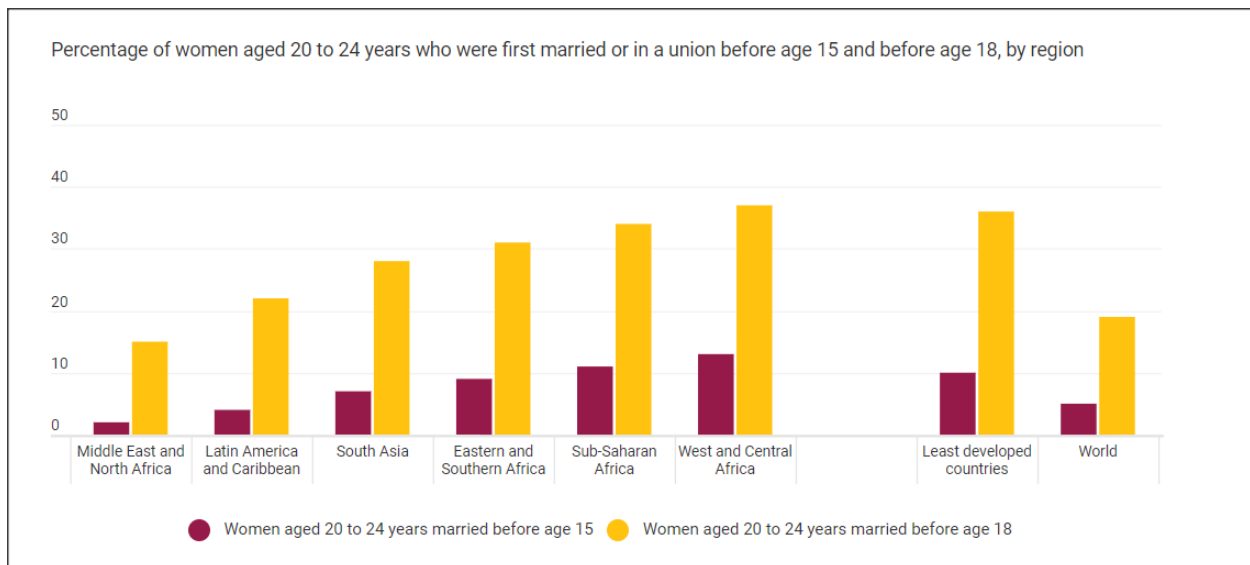
Source Article/Visualization:

<enter the text from the column corresponding to your data from the website> Remove this text and highlighting before submitting your work.

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

Represent

<take a screenshot of the visualization that was created using the data> This is the visualization that you will “makeover.” Remove this text and highlighting before submitting your work.



Critique

Critique the visualization: what do you like about it, dislike about it, what do you plan to do differently? Remove this text and highlighting before submitting your work.

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

CGT 270 Data Visualization
Makeover Monday #2 (2020 Dataset)

characteristics: overview, detail, detail AND overview, divergent thinking, convergent thinking. Refer to Week 10 Readings to assist with categorizing the visualization.

This graph is very accurate and to the point discussing the topic. However just a bar graph is pretty bland. The bar graph shows Convergent thinking and it's an Overview type of graph.

Mine

What question(s) are you attempting to answer? Remove this text and highlighting before submitting your work.

Which countries have the most number of child marriages?

Filter

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

Child marriage Countries	Child marriage Married By 15	Child marriage Married By 18
<i>null</i>	<i>null</i>	Married by 18
Jamaica	1	8
Kazakhstan	0	7
Central African Republic	26	61
Chad	24	61
Burkina Faso	10	52
Bangladesh	16	51
Eswatini	1	5
Djibouti	1	5
Armenia	0	5
Belarus	0	5
Guinea	17	47
Eritrea	13	41
Ethiopia	14	40
Algeria	0	4
Bosnia and Herzegovina	0	4

Stakeholders

CGT 270 Data Visualization
Makeover Monday #2 (2020 Dataset)

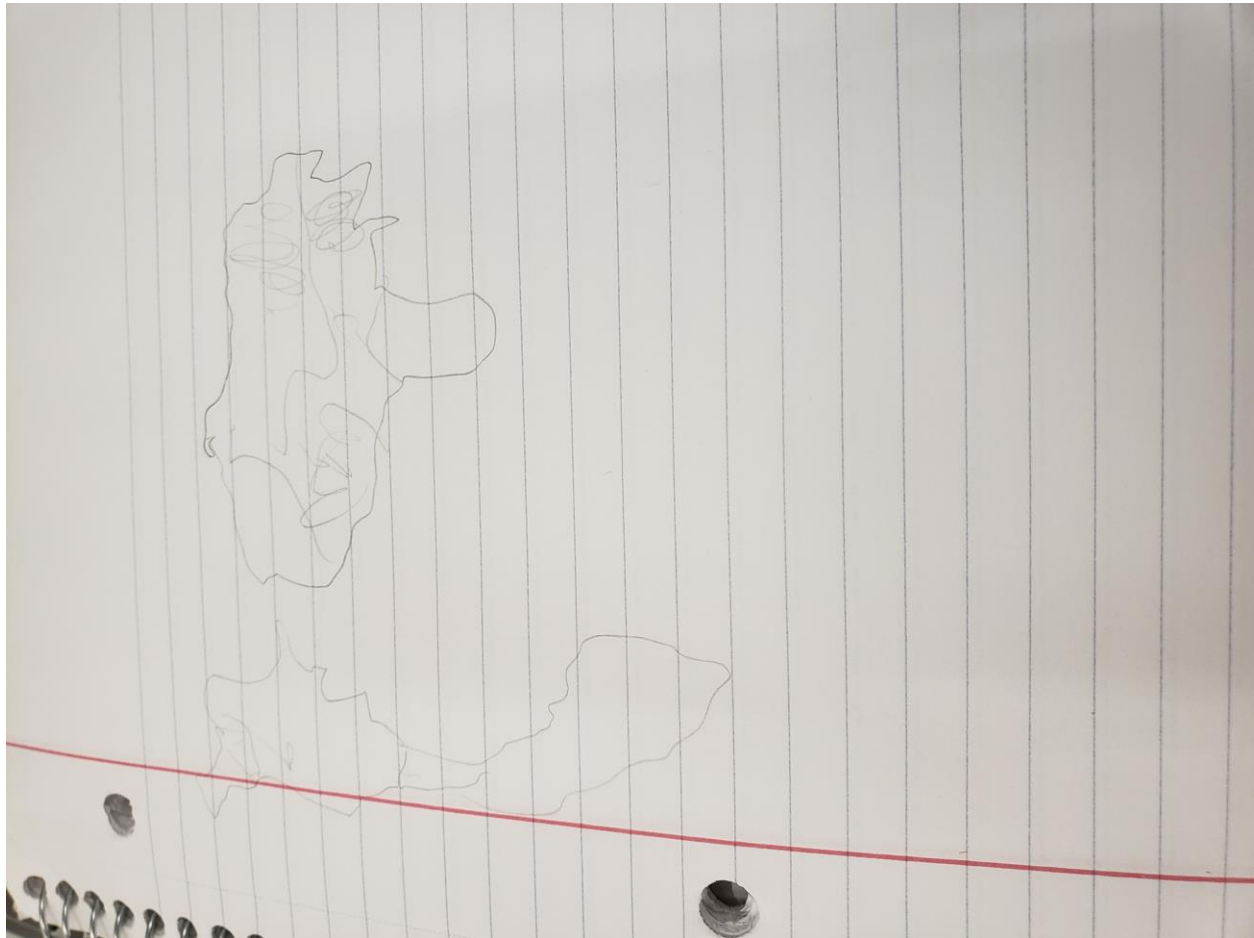
- Who is your audience? What assumptions did you make? What visualization tool/software did you use?
People who are concerned about the rates of child marriages that are happening in the world.
Organizations that can help children to get out of these situations and to live regular lives.

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#2.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.



CGT 270 Data Visualization
Makeover Monday #2 (2020 Dataset)

Refine (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). **You MUST use more advanced chart types for your makeover.** **Chart types that are not allowed: bar (single or stacked), pie, line charts, scatter plots, no tables.**

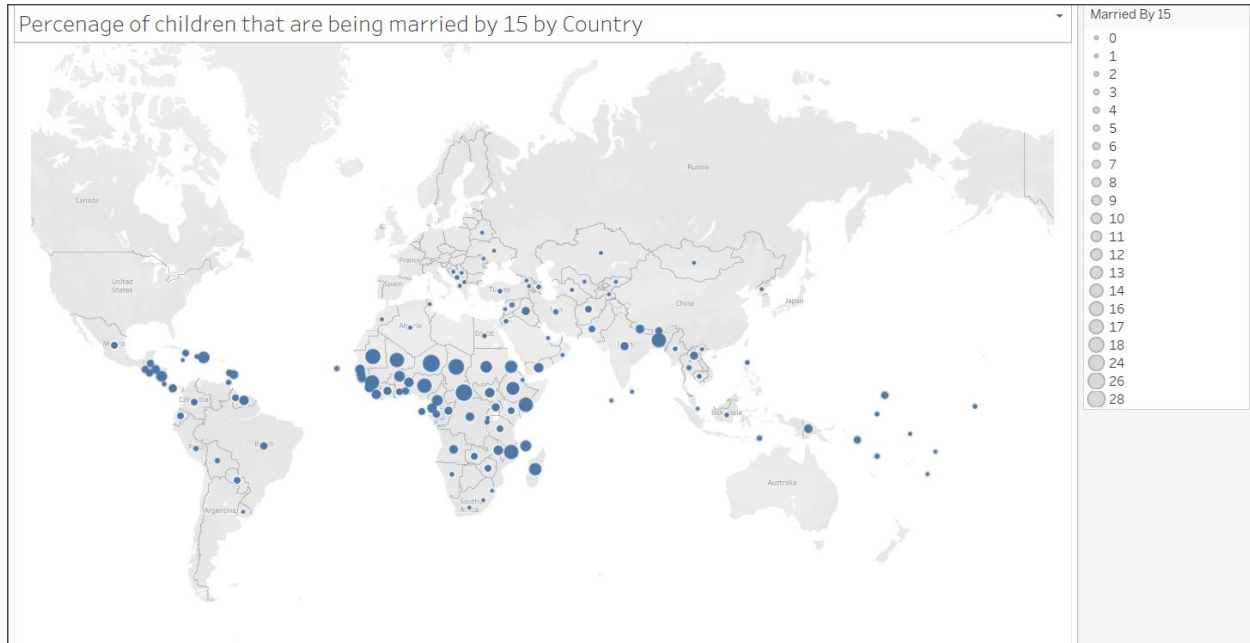


Figure Caption. Percentage of Children that are being married by 15 by Country

CGT 270 Data Visualization
Makeover Monday #2 (2020 Dataset)

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 chart types used in the makeover [2 pts]	Little to no improvement in visual representation of the data [0 pts]