

CGT 270 Data Visualization  
Makeover Monday #4 (2021 Dataset)

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**Date:** November 11, 2021

**Lab section:** Lab section 009 (Thursday)

**Show your work!!!**

**Acquire**

Week: 35

Date: 29/08/21

Year: **2021**

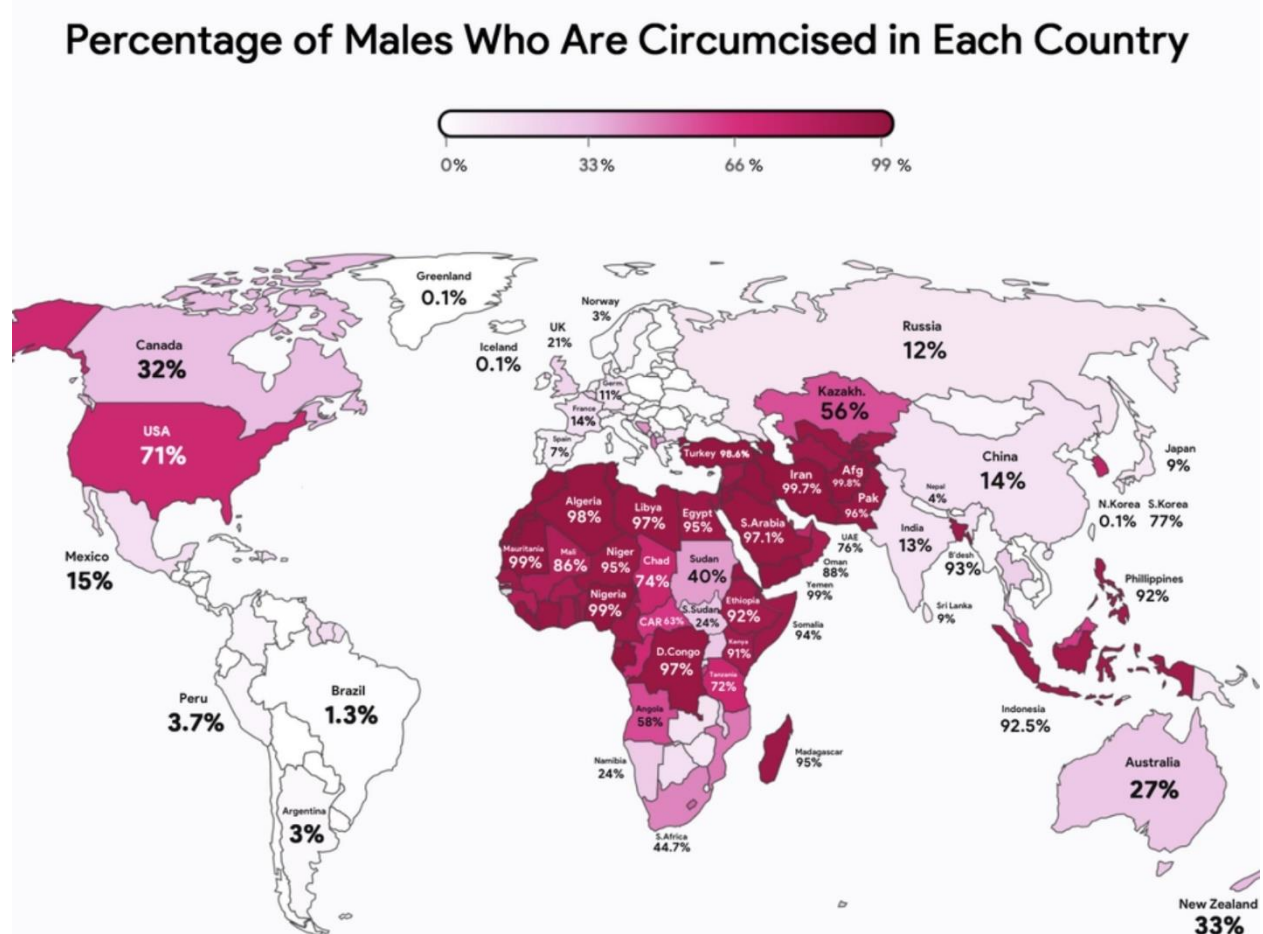
Data: Male Circumsision

**Source Article/Visualization:**

**Estimation of Country-Specific and Global Prevalence of Male Circumsision**

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

**Represent**



**Source**

*Morris B. I. Wamui B.G. Hanchang E.P. et al. Estimation of country-specific and global prevalence of male circumcision*

**Critique**

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I think that the visualization is decent and the format in which it is represented is good, however I think that they are trying to include too much data and that with a combination of the color scheme makes it seem way too overwhelming and that it doesn't give enough information at the same time.

This is probably a data map which falls under the Information Visualization category and subsequently means that it follows convergent thinking and has only overview and some detail. The overview is clearly the entire map of the world being represented with each country, and the convergent thinking is attempted to reduce the complexity of the data but falls a little short because of the color scheme.

### Mine

What are the top ten countries with the most circumcised males?

### Filter

| Country/<br>Territory | Alpha-2<br>Country<br>Code | Alpha-3<br>Country<br>Code | Region   | Sub-<br>Region          | Intermedi<br>ate<br>Region | Male<br>Circumcisi<br>on % | CIA Total<br>Males | Total<br>Males<br>Circumciz<br>ed | Basis    |
|-----------------------|----------------------------|----------------------------|----------|-------------------------|----------------------------|----------------------------|--------------------|-----------------------------------|----------|
| Indonesia             | ID                         | IDN                        | Asia     | Southeast Asia          |                            | 92.5%                      | #####              | #####                             | Survey   |
| United States         | US                         | USA                        | Americas | Northern America        |                            | 71.2%                      | #####              | #####                             | Survey   |
| Pakistan              | PK                         | PAK                        | Asia     | Southern Asia           |                            | 96.4%                      | #####              | #####                             | Religion |
| China                 | CN                         | CHN                        | Asia     | Eastern Asia            |                            | 14.0%                      | #####              | #####                             | Survey   |
| Nigeria               | NG                         | NGA                        | Africa   | Sub-Saharan Western Af  |                            | 98.9%                      | #####              | #####                             | Survey   |
| India                 | IN                         | IND                        | Asia     | Southern Asia           |                            | 13.5%                      | #####              | #####                             | Survey   |
| Bangladesh            | BD                         | BGD                        | Asia     | Southern Asia           |                            | 93.3%                      | #####              | #####                             | Religion |
| Philippines           | PH                         | PHL                        | Asia     | Southeast Asia          |                            | 91.8%                      | #####              | #####                             | Survey   |
| Ethiopia              | ET                         | ETH                        | Africa   | Sub-Saharan Eastern Afr |                            | 92.2%                      | #####              | #####                             | Survey   |
| Egypt                 | EG                         | EGY                        | Africa   | Northern Africa         |                            | 94.7%                      | #####              | #####                             | Religion |

### Stakeholders

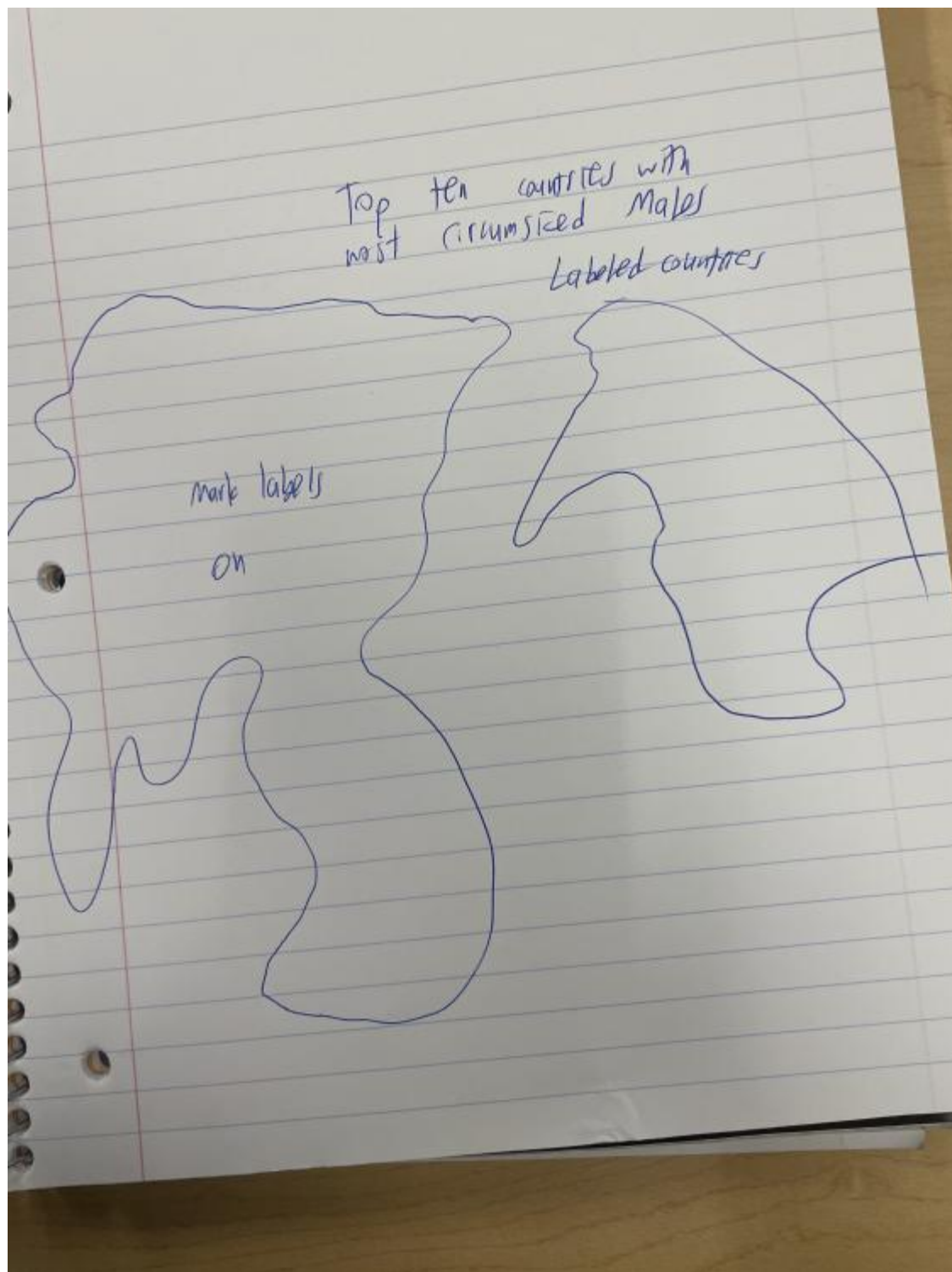
- Audience could be scientist or just curious males. Assumptions that I made is that the data was collected after the male was at least 18 years old which is the normal age before a circumcision is done. I also assumed that the people weren't lying in the surveys or however the data was collected. Finally, I assumed that the people surveyed in smaller countries may not have gotten to the whole population because of accessibility.

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

**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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**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.**

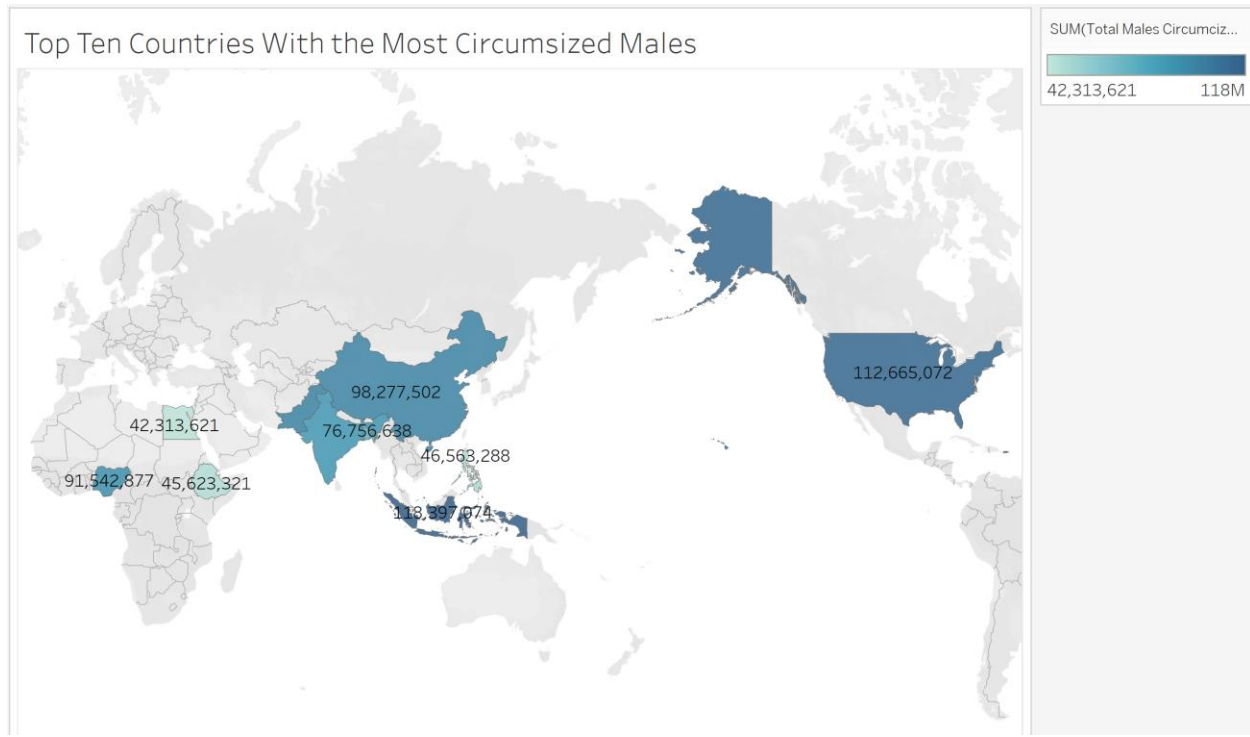


Figure Caption. The ten colored countries contain the ones with the most males that are circumcised taken in 2020/21

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**Refine (Makeover – Landscape view)**

Use an additional page if necessary. 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.**

Next with your figure caption>.

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### Resources

Data Visualization Checklist:

[http://stephanieevergreen.com/wp-content/uploads/2016/10/DataVizChecklist\\_May2016.pdf](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<br>(11-15 pts)  | Good<br>(6 -10 pts)  | Fair<br>(2-5 pts)   | Needs Improvement<br>(0 - 1 pt)  |
|---|--|---|--|
| Meets <b>ALL</b> 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 <b>MOST</b> 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 <b>SOME</b> 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.<br><br>Lackluster makeover or no makeover.<br><br>Little effort. |
| Sketch included: hand drawn [5 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]  |