

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

Name: Nathan Rusk

Date: 11/11/2021

Lab section: Thursday

Show your work!!!

Acquire

Week: 5/9/2021

Date: 5/9/2021

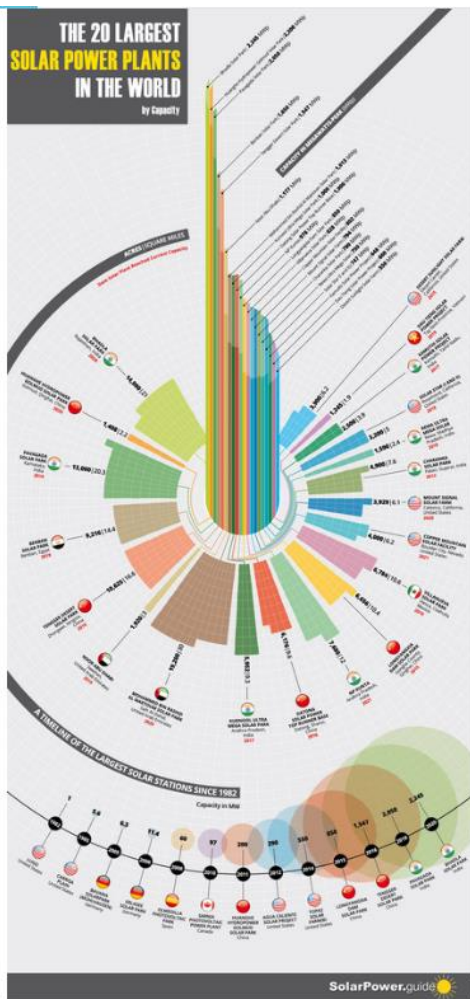
Year: 2021

Data: Solar Power

Source Article/Visualization:

The	20	Largest	Solar	Power	Plants
Source			Article:		SolarPower.guide
Data			Source:		Wikipedia
Suggested By: Sean Miller @HipsterVizNinja					

Represent



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Critique

I like that it is very detailed and elaborate. The downside is that the text is small and can be difficult to read. I would like to represent the data in a way to more easily see where in the world the most solar power is generated.

From what I can find, I think this is called an infographic. I would say it is in the light green information visualization category. I would say it is of convergent thinking and is detail AND overview.

Mine

Where in the world is the most solar power generated? (By country)

Filter

Country	Latitude (generated)	Longitude (generated)	Mwp Megawatts Peak Capacity
Vietnam	21.7500	105.373	600
United States	40.0792	-98.816	2,893
United Arab Emirates	23.9299	53.903	2,190
Mexico	22.9250	-101.680	828
India	22.7410	78.236	8,461
Egypt	26.1600	28.742	1,650
China	35.1753	99.388	5,597

Stakeholders

- The audience would be manufacturers of solar power equipment, environmental organizations, and anyone interested in solar energy.
- I would assume that warmer and more sunny locations would be higher on the list.
- Tableau was used

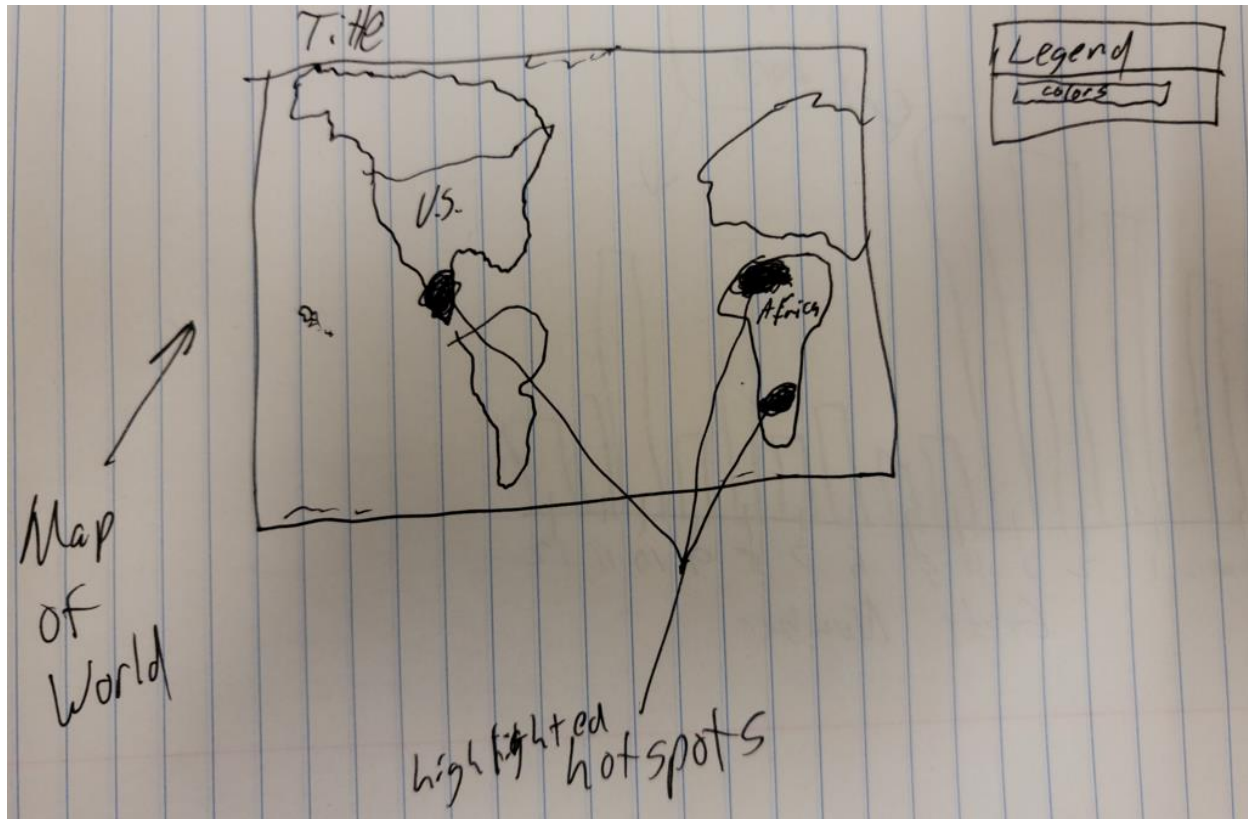
What to submit: This document in PDF format only (if you do not know how to do this, ask).

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!

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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.



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Refine (Makeover – Landscape view)

Countries That Generate the Most Solar Power (Peak Megawatts)

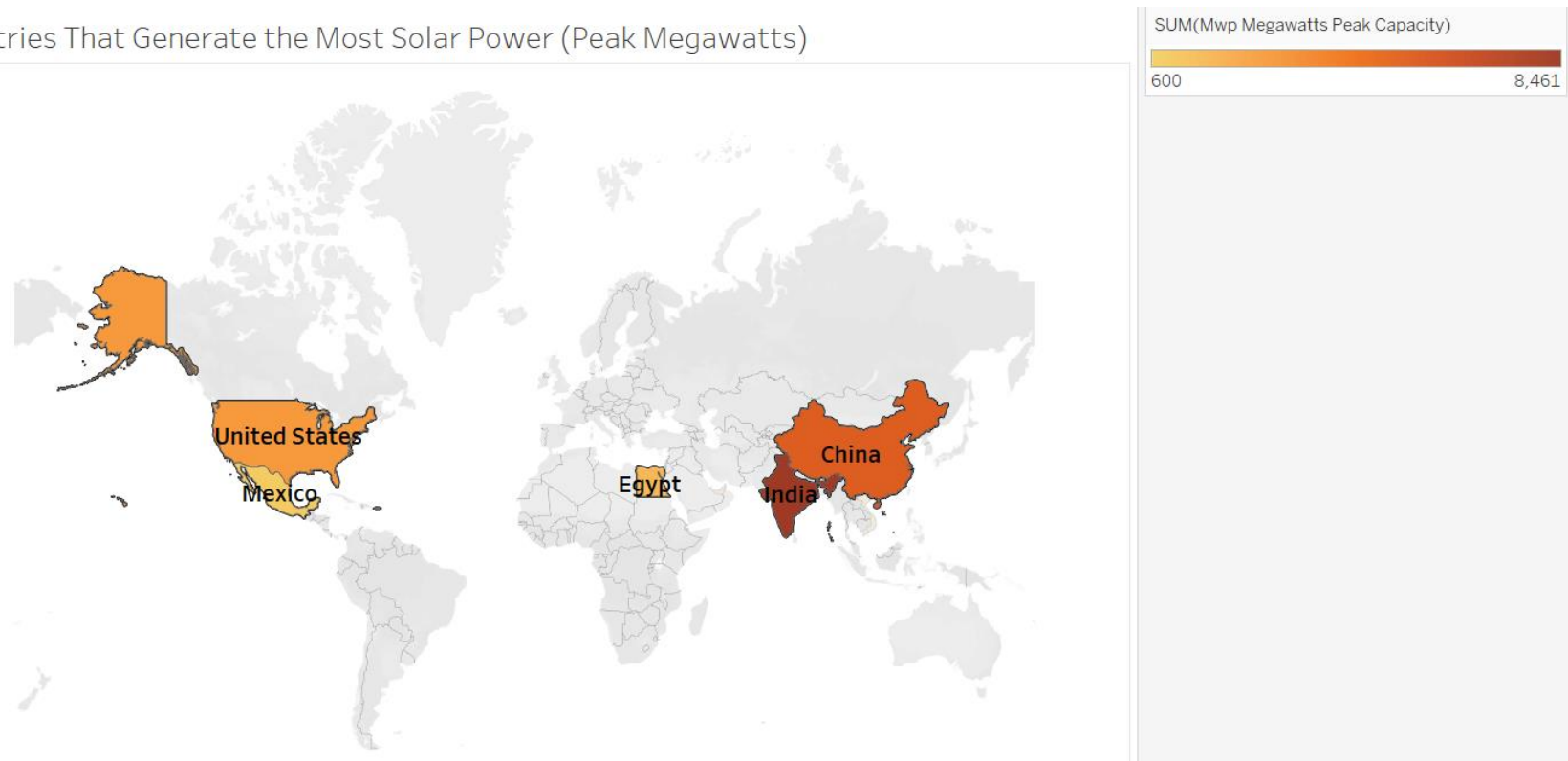


Figure Caption. Map visualization of the countries that produce the most solar power (measurement: peak megawatts)

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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 (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]	
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]