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

Name: Ayo Obayomi **Date: 11/11/2021**

Lab section: Thursday

Show your work!!!

Acquire

Week: 26

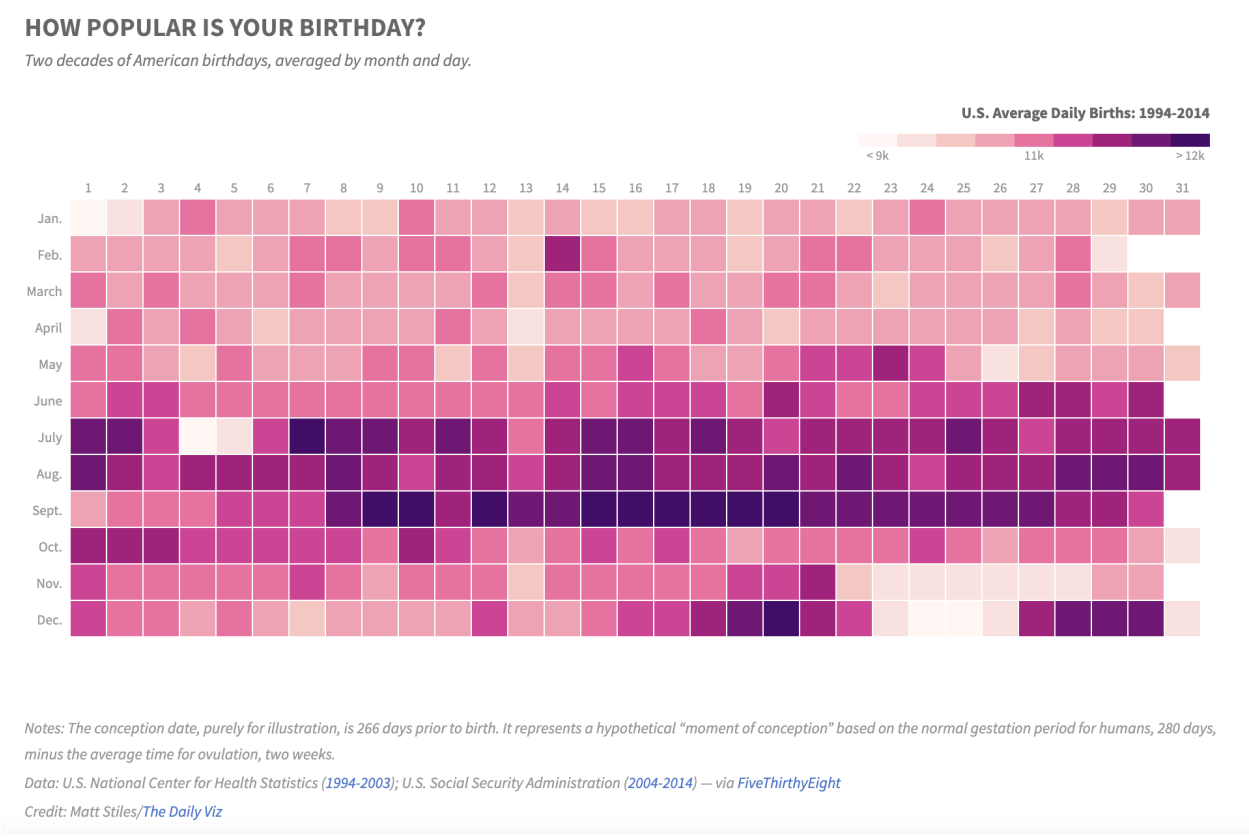
Date: 27/06/2021 Year: **2021** Data:How common is your Birthday

Source Article/Visualization:

http://thedailyviz.com/2016/09/17/how-common-is-your-birthday-dailyviz/

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

Represent



Critique

Critique the visualization:

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Like:

1. I like how the months are on the vertical axis and the number of dates is sitting on the horizontal axis. it sort of feels like a multiplication table.

Dislike:

- I don't really like the color choice because it is hard to figure out, for me at least, in the middle of the visualization what is going on as the colors seem to be blending in.
- I also think that the choice of the chart could be different because it seems that a lot is going on.

I plan to change the data into packed data visualization, where my audience could identify which month has the least amount of birth from the color legend.

The data that I provided in the Represent stage falls in the table category for visualization. One of its characteristics is Detail AND overview which allows the audience to focus on the content that describes an individual item. Convergent thinking is the duty of the person that is refining the data visualization to have in mind that he/she must think critically about how to reduce the complexity of how to read the table set.

Mine

Which month has the least amount of birth, just by looking at the colors, within the year 1994?

Which four months have the highest amount of births just by looking at the colors?

What do the rest of the months of the colored dark blue mean?

Filter

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

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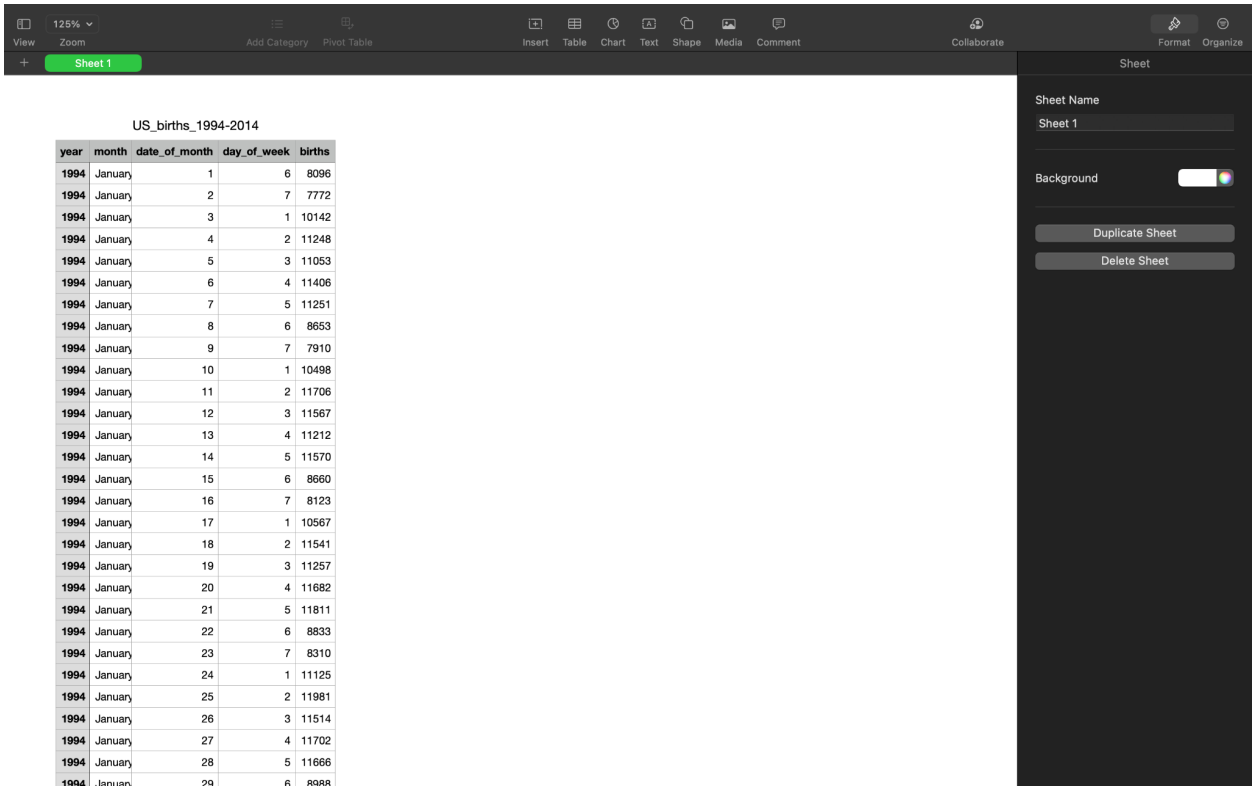

US_births_1994-2014

year	month	date_of_month	day_of_week	births
1994	January	1	6	8096
1994	January	2	7	7772
1994	January	3	1	10142
1994	January	4	2	11248
1994	January	5	3	11053
1994	January	6	4	11406
1994	January	7	5	11251
1994	January	8	6	8653
1994	January	9	7	7910
1994	January	10	1	10498
1994	January	11	2	11706
1994	January	12	3	11567
1994	January	13	4	11212
1994	January	14	5	11570
1994	January	15	6	8660
1994	January	16	7	8123
1994	January	17	1	10567
1994	January	18	2	11541
1994	January	19	3	11257
1994	January	20	4	11682
1994	January	21	5	11811
1994	January	22	6	8833
1994	January	23	7	8310
1994	January	24	1	11125
1994	January	25	2	11981
1994	January	26	3	11514
1994	January	27	4	11702
1994	January	28	5	11666
1994	January	29	6	8988

I had to manually change the numbers to the names of the month because I personally make mistakes when I see the numbers.

Stakeholders

- Who is your audience? The Government
- What assumptions did you make?
    - My first assumption was that that the dataset probably happened through a population census for babies only
    - I also assumed that the first half of the year would have a small significant amount of babies born.
    - Lastly, the day of week variable wasn't useful in my dataset because it all comes down to when and how many kids were born within the year of 1994
- What visualization tool/software did you use?
    - Excel - to filter data
    - Tableau - to create the visualization

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

NEW Sketch your Makeover

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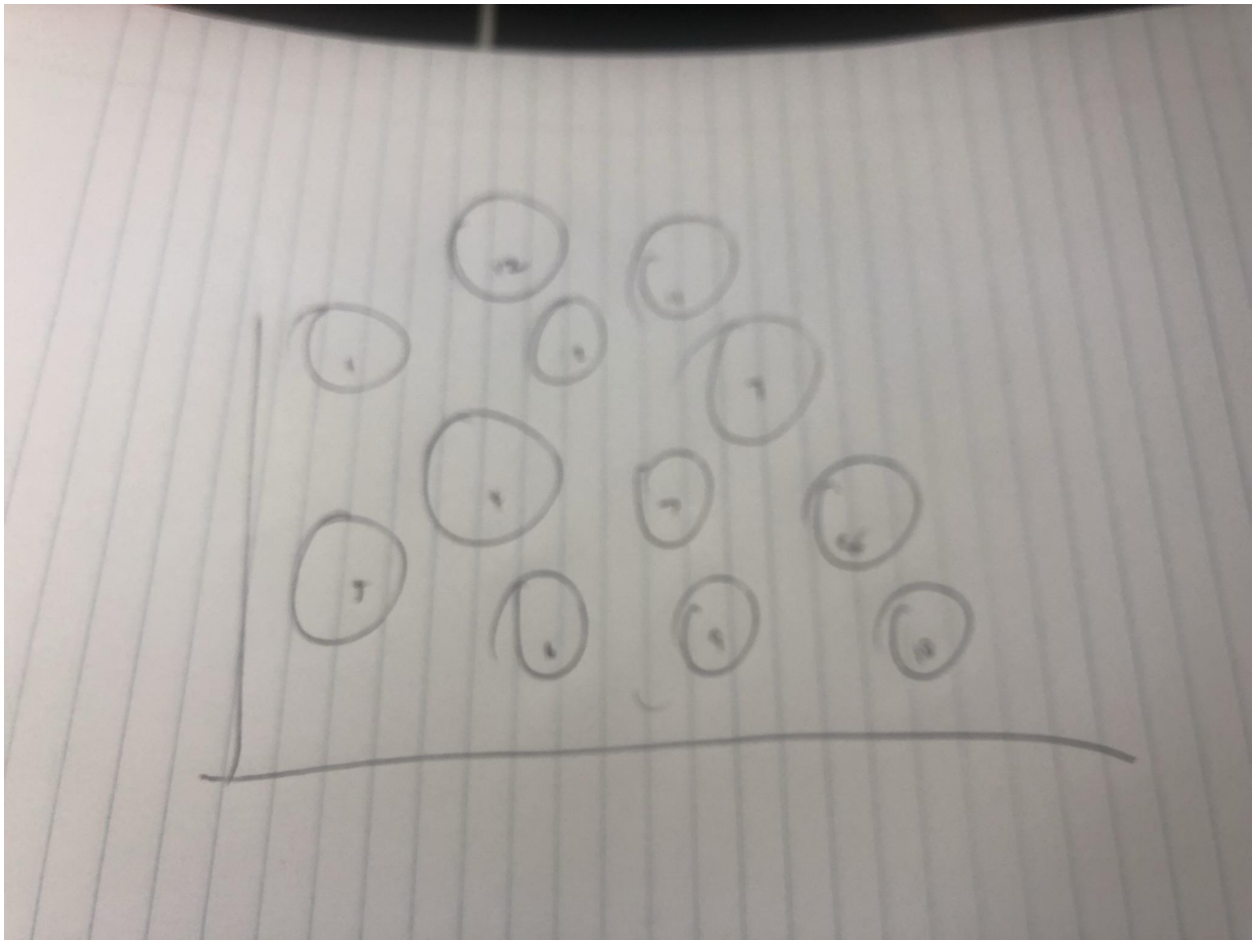
In the space below, sketch out your ideas for refined visualization. You must use pen/pencil and paper to sketch out your idea, then take a photo of your sketch and include it in the space below.



<u>Refine</u> (Makeover – Portrait View)

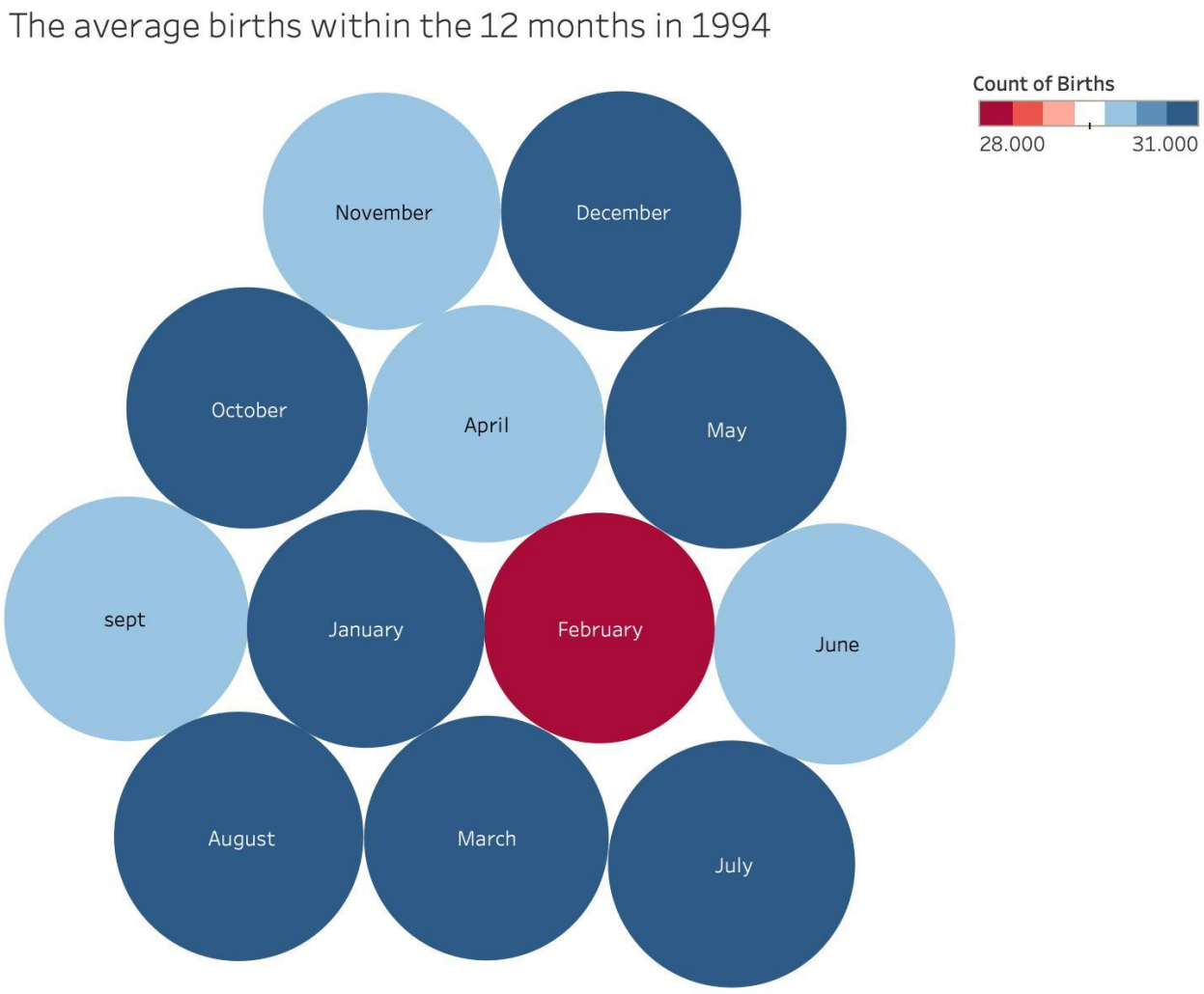


Figure Caption. <The average births within the 12months in 1994>

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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]

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