CGT 270 Data Visualization
Makeover Monday #2 (2019 Dataset)

Name: Matthew Gallagher **Date:** **10/28/21**

Lab section: Thursday

Show your work!!!

Acquire

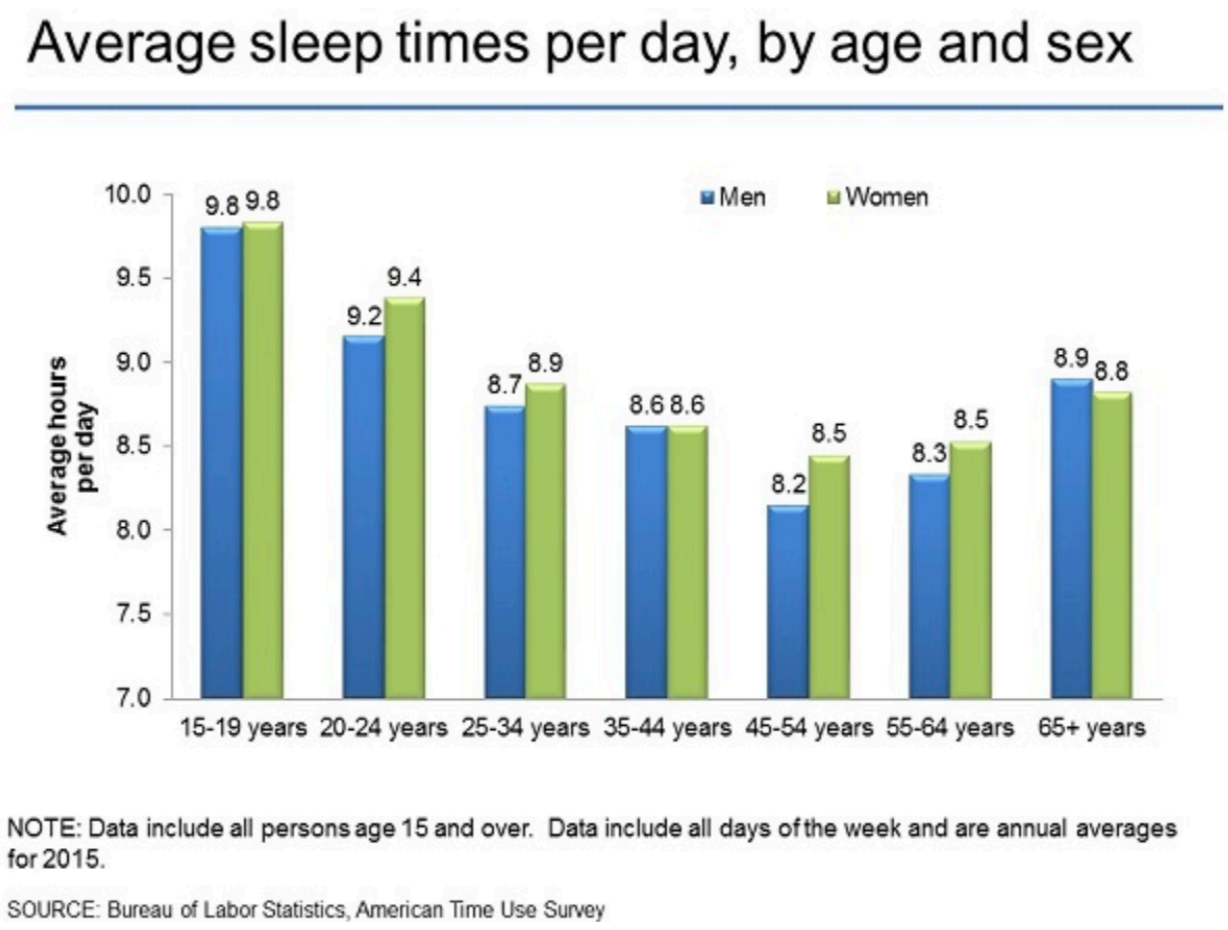
Week: 23

Date: June 3 Year: **2019** Data: data.world

Source Article/Visualization:

Data Source: American Time Use Survey https://www.makeovermonday.co.uk/data/data-sets-2018/

Represent



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Critique

I like this topic because I agree that sleep is very important and some people, especially those in college, don't get enough of it. The chart displays the data and it's very organized and clear. However, there are some changes that need to be made. First off, the colors are very ugly. That green is not visually appealing whatsoever. I would change the colors to blue and women. This would not only look better but they are the colors that represent male and female. Another thing I dislike is the x-axis. To me it seems very crowded with the number than the year. Instead, I would have an x-axis that says age (years). Another thing is the legend. It is located in the middle of no where. Instead I would move it to the right. One final change I would make but can't because of the data is have one for the weekend and weekday. I would want to see this because it would give a clearer representation for the average sleep during the week versus weekends.

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

This chart would clearly fall into the Bar Chart element. The bar chart contains only overview. The chart is only a summary of the data. The visualization does not go into intense detail. Therefore the bar chart is an overview of the data. The chart is also convergent thinking because there is on clear point and exact answer. There is not much to think about creatively about this chart.

Mine

What age group(s) gets the sleep they need and what group(s) doesn't (don't).

Filter

Average sleep times per day, by age and sex

	Average hours per day	
	Men	Women
15 to 19 years	9.8	9.8
20 to 24 years	9.2	9.4
25 to 34 years	8.7	8.9
35 to 44 years	8.6	8.6
45 to 54 years	8.2	8.5
55 to 64 years	8.3	8.5
65 years and over	8.9	8.8

NOTE: Data include all persons age 15 and over.
Data include all days of the week and are annual averages for 2015.

SOURCE: Bureau of Labor Statistics, American Time Use Survey

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Stakeholders

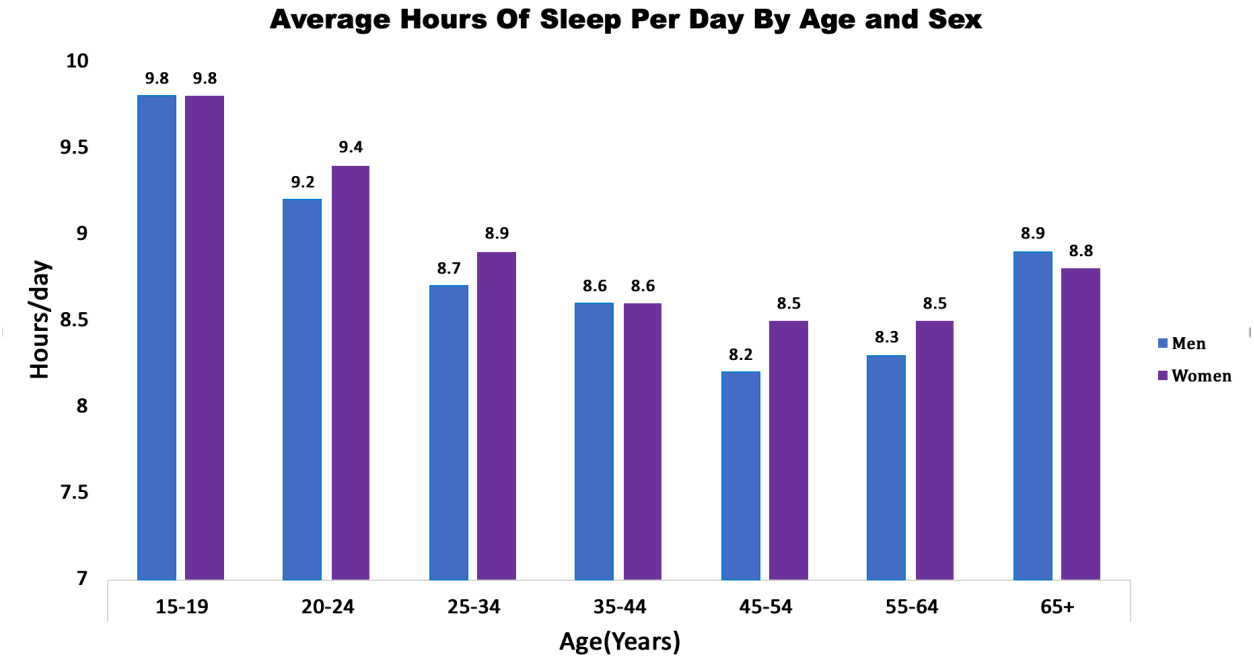
- Who is your audience? What assumptions did you make? What visualization tool/software did you use? My audience would be the people in each age group. Another audience would be parents of children at ages in this chart. I used excel.

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!

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).



Figure

In 2015, a survey was taken all year on how much sleep people got per day. The data was filtered by age and gender. (Note I didn't have the full excel version and couldn't put pink as the women color)

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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 **(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.