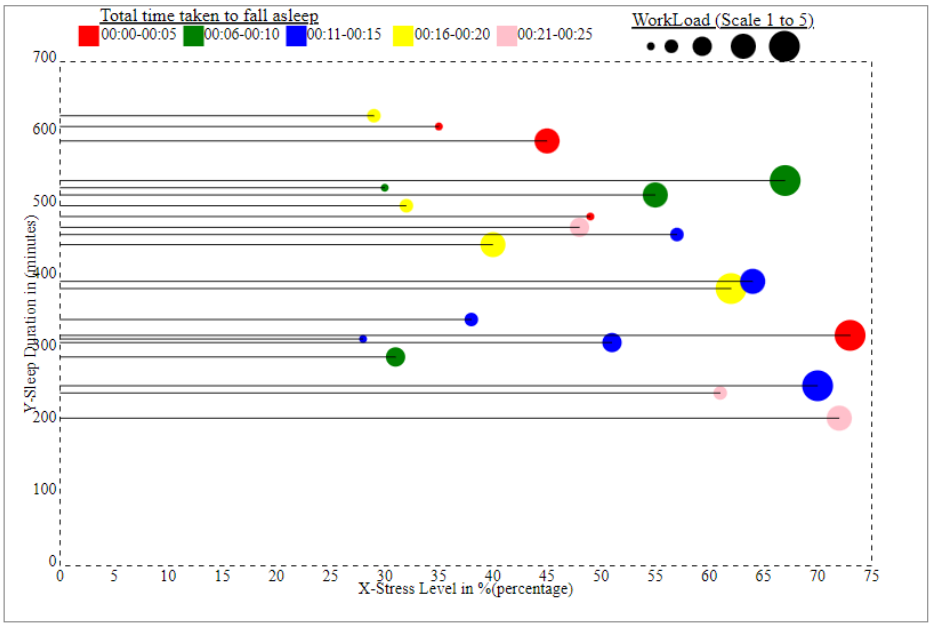
DATA VISUALIZATION

Attempt 1 – Draft



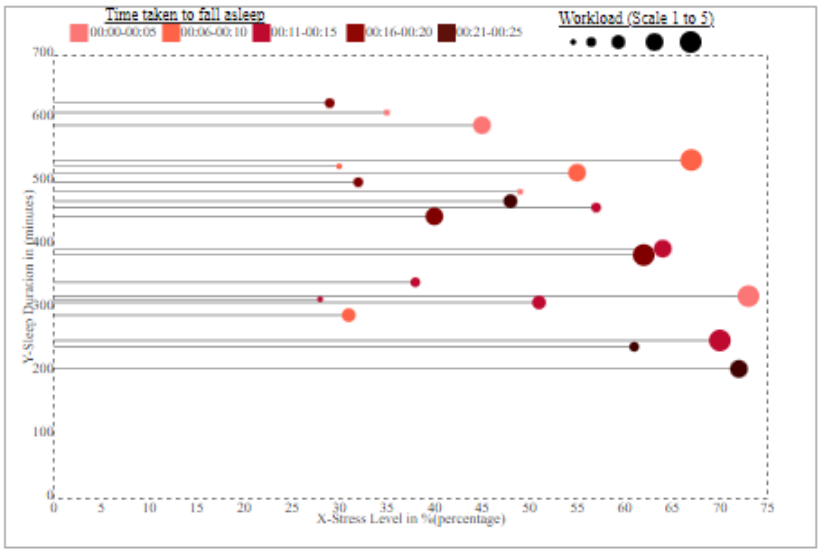
Relationship between how much sleep I get per night and how stressed I am

X- Stress Level

Y- Sleep Duration

Hypothesis: As my stress Level increases my sleep duration decreases.

Attempt 1 – Final



Relationship between how much sleep I get per night and how stressed I am

X- Stress Level in % (percentage)

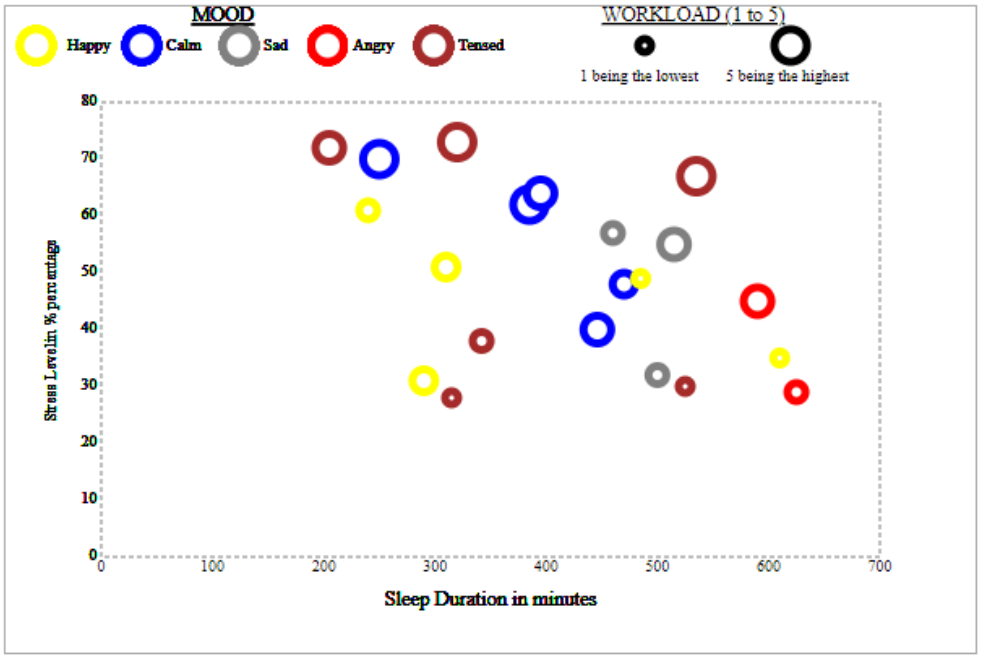
Y- Sleep Duration in minutes

Hypothesis: As my stress level increases my sleep duration decreases. And the other factor that can affect my sleep duration is the workload that I have

Explaination

For this sketch, I visualised by drawing a single straight line from Y axis which represents my Sleep Duration till the percent of Stress I have which is the X axis and a circle at the end of the line which determines the workload and color in it which is defined by the time taken to fall asleep.
Determining different size of circles on workload data (scale of 1 to 5)
1- Low
2- Moderate-low
3- Moderate-high
4- High
5- Very high
Giving different colors to different cirles according to the data
(Time taken to fall asleep [05 minutes being the minimum and 25 minutes being the maximum])
00:00-00:05- Watermelon color
00:06-00:10- Tomato color
00:11-00:15- USA Flag color
00:16-00:20- Maroon colore
00:21-00:25- Chocolate red color

Attempt 2 – Draft



Relationship between how much sleep I get per night and how stressed I am

X- Sleep Duration in minutes

Y- Stress Level in % (percentage)

Hypothesis: As my sleep duration increases my stress level decreases. And the other factor that can affect my sleep duration is the workload that I have

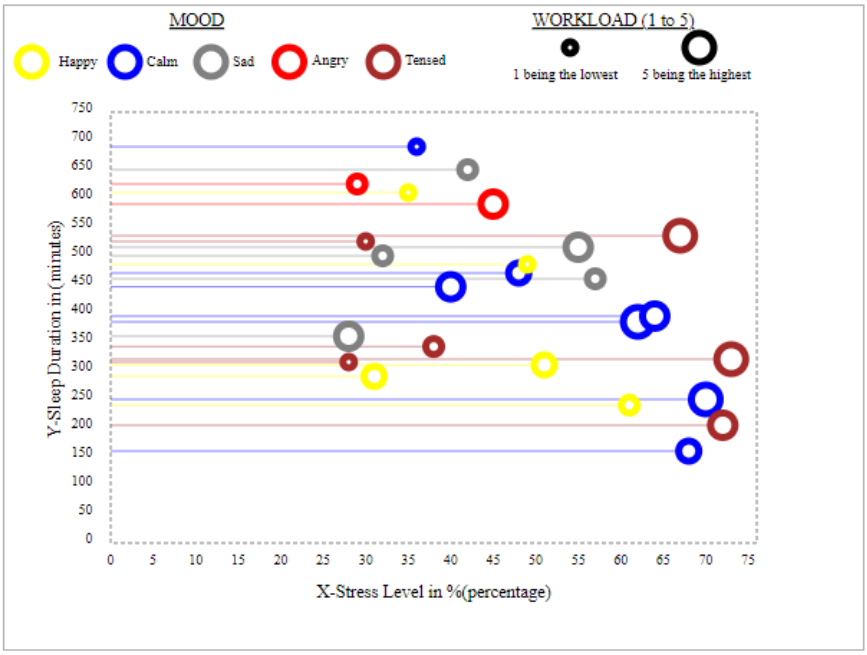
Explaination

For this sketch, I visualised by drawing a simple scatter plot but in a dramatic way. ,
Axis Labelling
X axis which represents my Sleep Duration in minutes
Y axis which represents my Stress Level in % (percentage)

I have made a simple scatter plot for my attempt 2 draft where the data is plotted on the basis of sleep duration and stress level and the points at that level are then defined by different size of circles which is determined by the workload property and the color to them is given by the property of mood. The color to mood is given according to what I found while doing the research in regards to color that depicts different types of mood. I want to prove that if I get less time of sleep then my stress level increases and another factor is if I have more workload then I have less time to sleep. The visualization that I created gives justice to what I want to portray.

Determining different size of circles on workload data (scale of 1 to 5)
1- Low
2- Moderate-low
3- Moderate-high
4- High
5- Very high
Giving different colors to different cirles according to the data
Mood
1 = Happy (Yellow)
2 = Calm (Blue)
3 = Normal (Grey)
4 = Confused (Red)
5 = Tensed (Brown)

Attempt 2- Final



Lollipop Chart

Relationship between how much stressed I am and how much sleep I get per night.

X- Stress Level in % (percentage)

Y- Sleep Duration in minutes

Hypothesis: As my stress level increases my sleep durtion decreases. And the other factor that can affect my stress level is the workload that I have

Explaination

For this sketch, I visualised by drawing a lollipop chart in a dramatic way.
Axis Labelling
X axis which represents my Stress Level in % (percentage)
Y axis which represents my Sleep Duration in minutes

I have made a lollipop chart for my attempt 2 final where the data is plotted on the basis of sleep duration and stress level and the points at that level are then defined by different size of circles which is determined by the workload property and the color to them is given by the property of mood. The color to mood is given according to what I found while doing the research in regards to color that depicts different types of mood. Each line that is created from the Y axis to the point plotted on the basis of X axis helps the viewer to connect with the particular point without getting confused. I want to prove that if I get less time of sleep then my stress level increases and another factor is if I have more workload then I have less time to sleep. The visualization that I created gives justice to what I want to portray.

Determining different size of circles on workload data (scale of 1 to 5)
1- Low
2- Moderate-low
3- Moderate-high
4- High
5- Very high
Giving different colors to different cirles according to the data
Mood
1 = Happy (Yellow)
2 = Calm (Blue)
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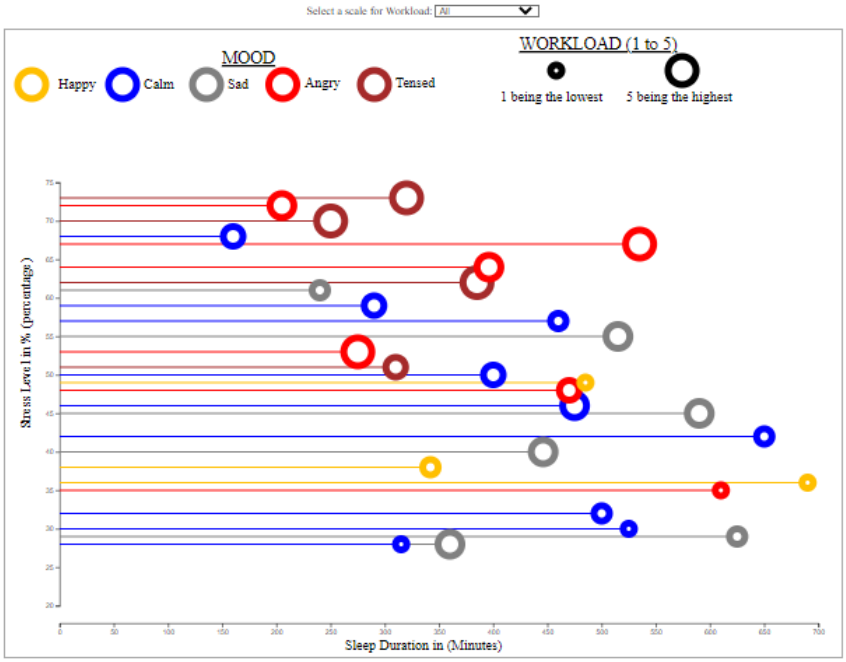
4 = Confused (Red)
5 = Tensed (Brown)

Final Project Draft



Lollipop Chart

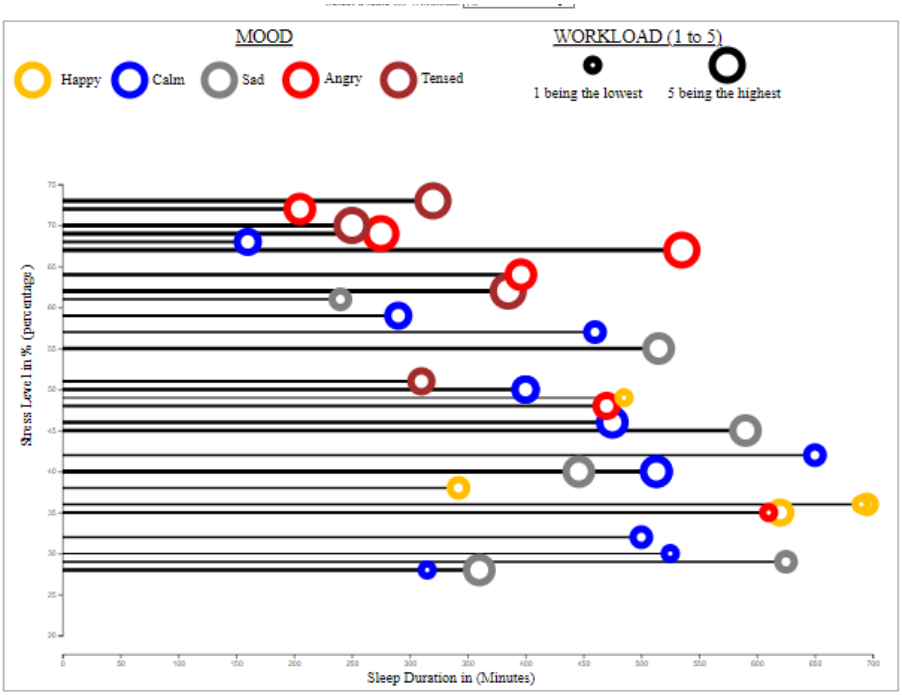
Relationship between how much stressed I am and how much sleep I get per night.

X- Stress Level in % (percentage)

Y- Sleep Duration in minutes

Hypothesis: As my sleep duration increases my stress level decreases and vice versa. And the other factor that can affect my sleep duration is the workload that I have

Final Visualization



Lollipop Chart

Relationship between how much sleep I get per night and how much stressed I am.

X- Sleep Duration in minutes

Y- Stress Level in percentage

Hypothesis: As my sleep duration increases my stress level decreases and vice versa. And the other factor that can affect my sleep duration is the workload that I have