# PosturePress

Motivating Question

In-bed posture has been the subject of extensive research due to its significance on health. Different sleeping postures will lead to different pressures on individuals' body parts. Long terms of bad sleeping posture might lead to poor sleeping quality and bad spinal health. Thus, with available sensor data recording the pressure when an individual is sleeping, we decided to **make interactive graphs that enable users to visualize and compare the pressure in the human body with different sleeping postures.**

Visualization Idea
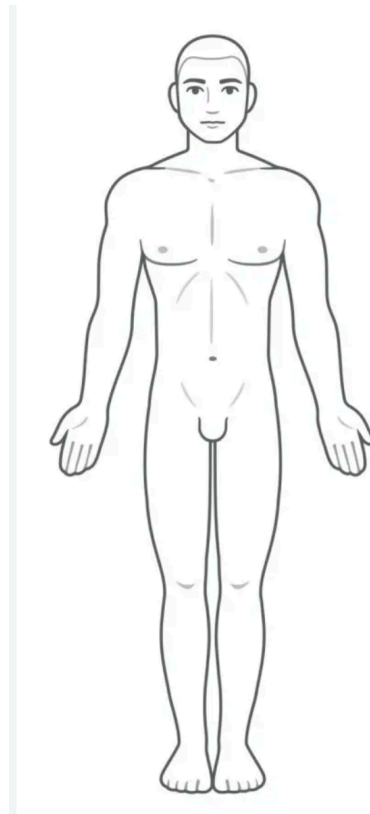
Once user enter the website, they will be provide with a human chart. As they interact with the visualizations, different marks such as color or words will appear on the human chart. For example, this can be one of the interactive result. The red color here indicating the pressure level of an individual

experience during a specific sleeping posture. You can hover to any point to see the pressure level
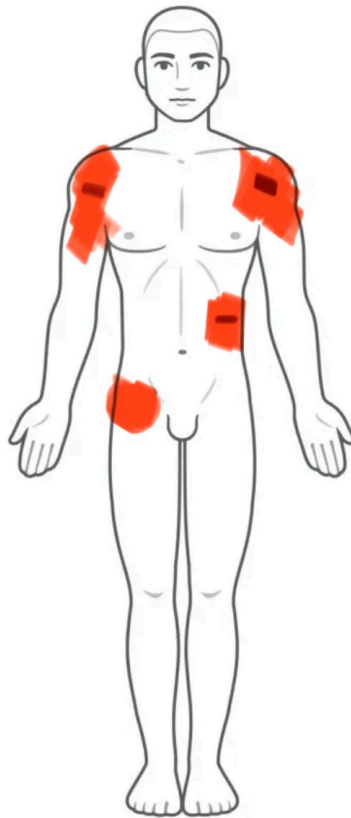
Aside from that, we will provide interactive option for user to filter:

- posture type

- weight (heavier the weight, darker and bigger the color)

- body areas (allow user to zoom in or zoom out)

- obesity level

Moreover, we will provide feature that allow user to compare two different type of pressure map with different tuned features.