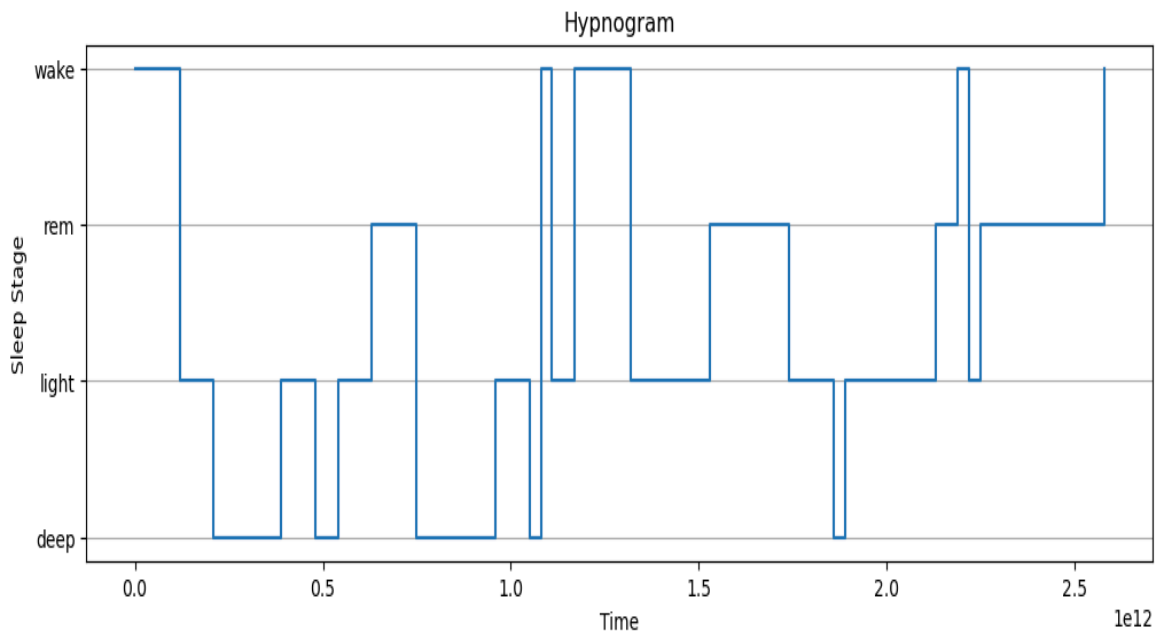


Project 4: Health Data Team B Sensor 1

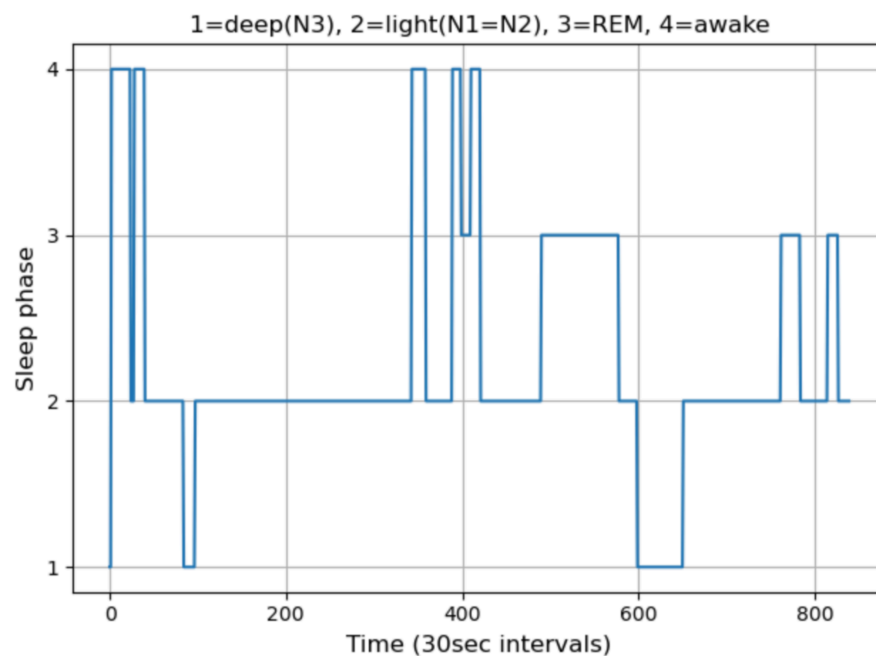
- Team members: Isabella Jiang, Mac Dang, Lily Leanos

The objective of this project is to evaluate and compare the accuracy of two different sleep tracking sensors (Sensor 1 and Sensor 2) by generating hypnograms and analyzing their performance against a gold standard derived from polysomnography (PSG) data.

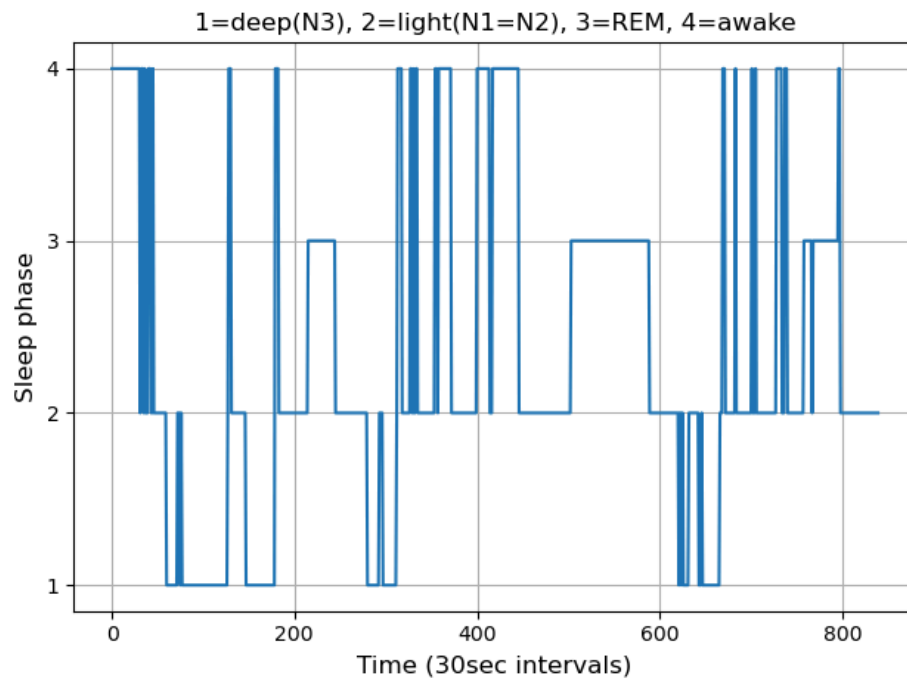
Sensor 1:



Sensor 2:



Gold Standard:



By comparing our results to the gold standard, we can conclude that Sensor 1 demonstrates a closer alignment with the PSG data, indicating that it provides a more accurate representation of sleep stages and patterns. This similarity suggests that Sensor 1 may be a more reliable tool for monitoring sleep compared to its counterpart, as it captures the nuances of sleep architecture more effectively.

In contrast, Sensor 2's divergence from the PSG data raises concerns about its accuracy and reliability. The discrepancies observed, such as misclassification of sleep stages or inaccurate reporting of sleep durations, suggest that Sensor 2 may not be as suitable for precise sleep monitoring.