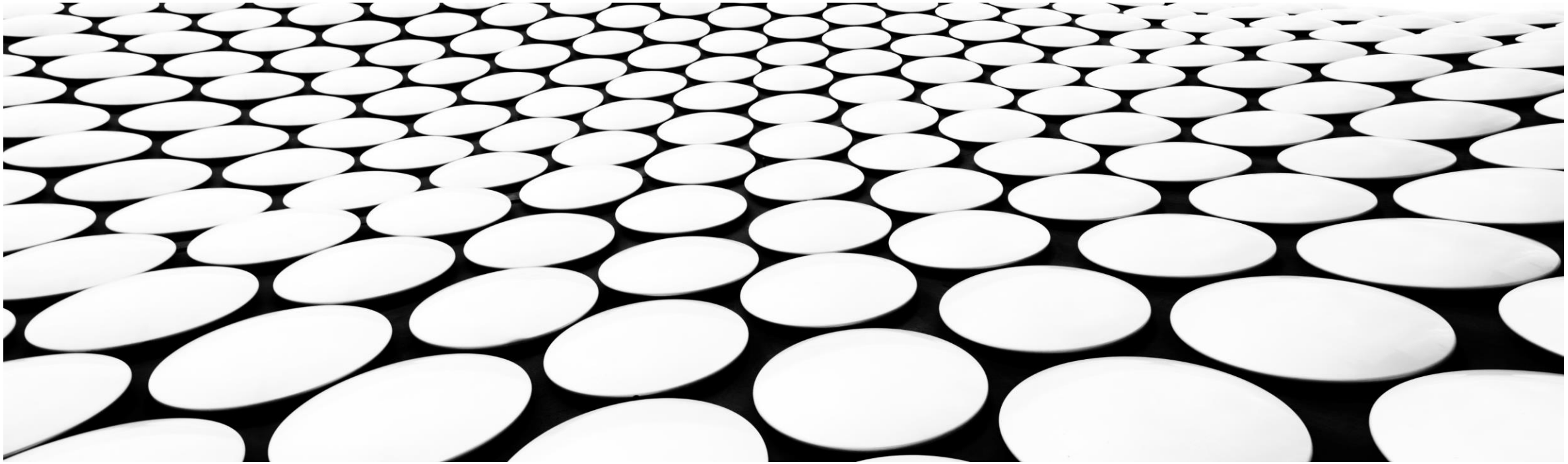
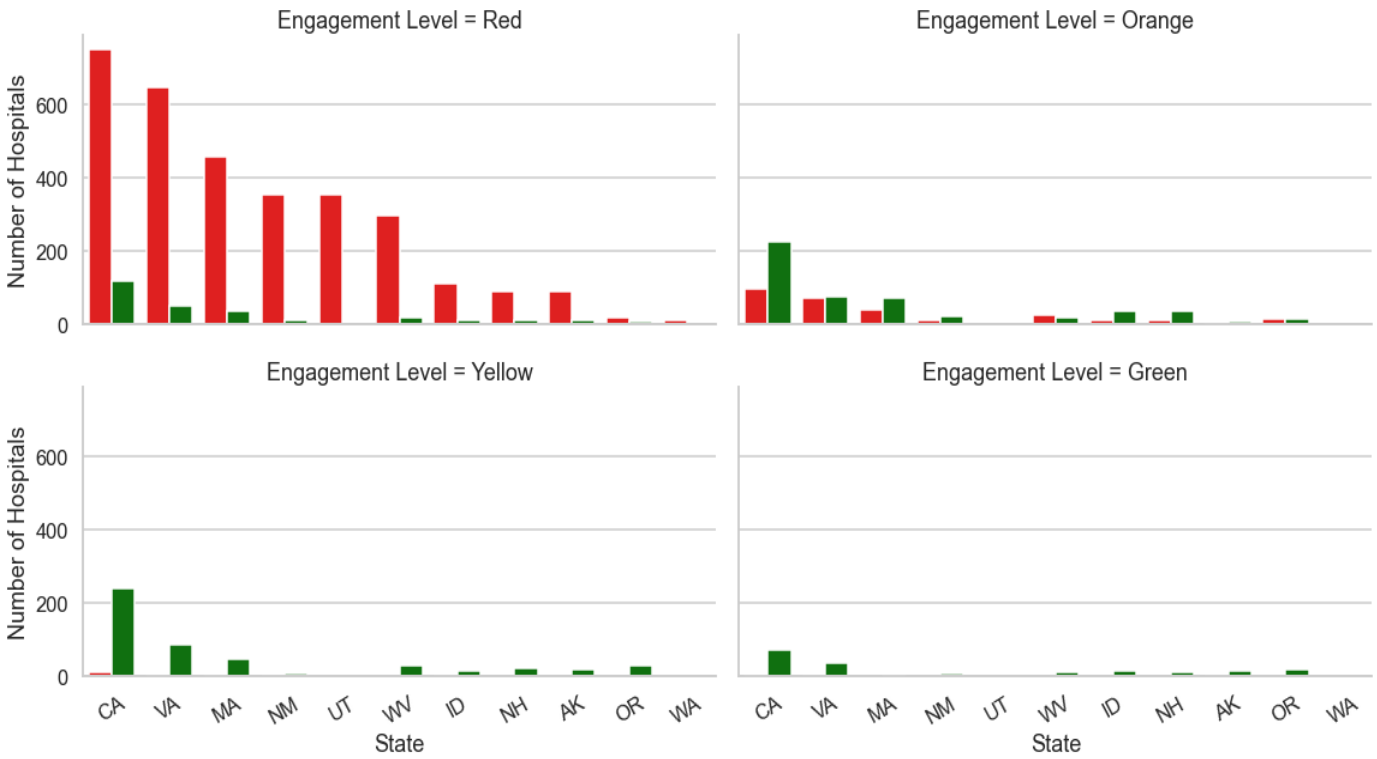
DATA VISUALIZATION EXERCISE

KARTHIC SUBRAMANIAN

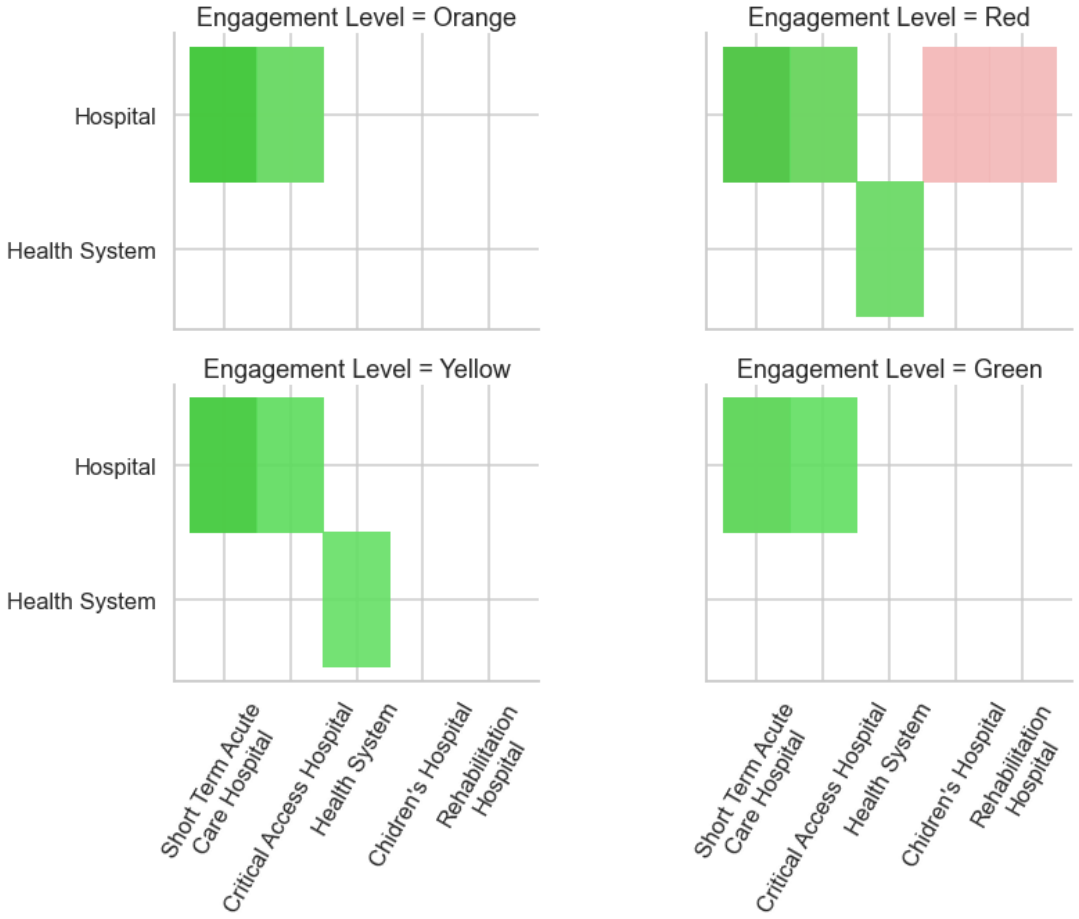


PROPORTION OF HOSPITALS WHICH WERE INACTIVE OVER THE LAST MONTH CONCENTRATED IN ‘RED’ ENGAGEMENT LEVEL AND IN CHILDREN’S AND REHABILITATION HOSPITALS

Distribution of Active and Inactive Hospitals by state



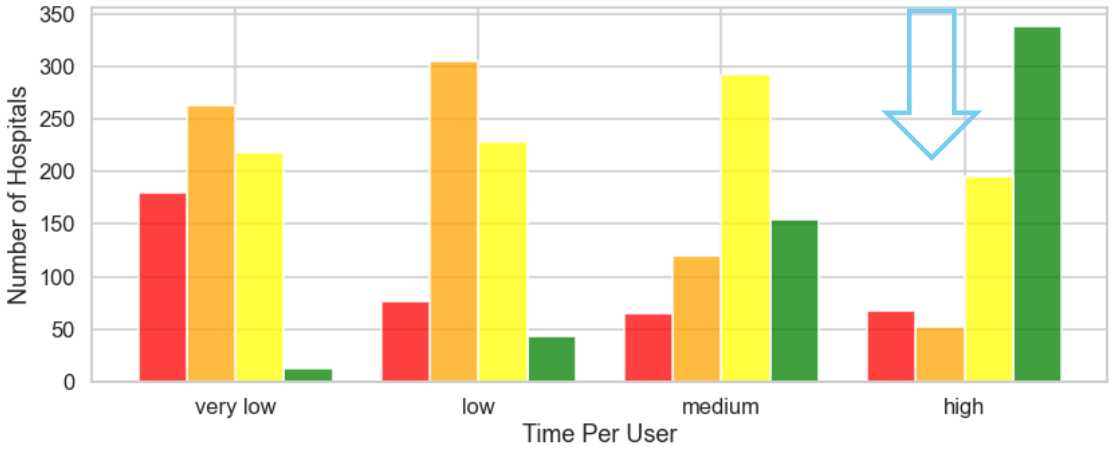
Distribution of Active and Inactive Hospitals by type

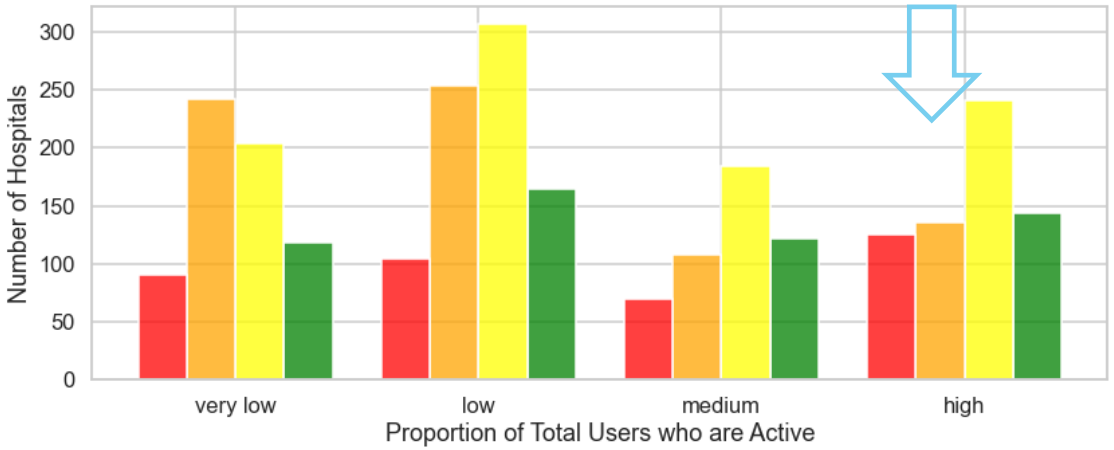


Note: Inactive hospitals are defined as those accounts which did not login even once in the past month.

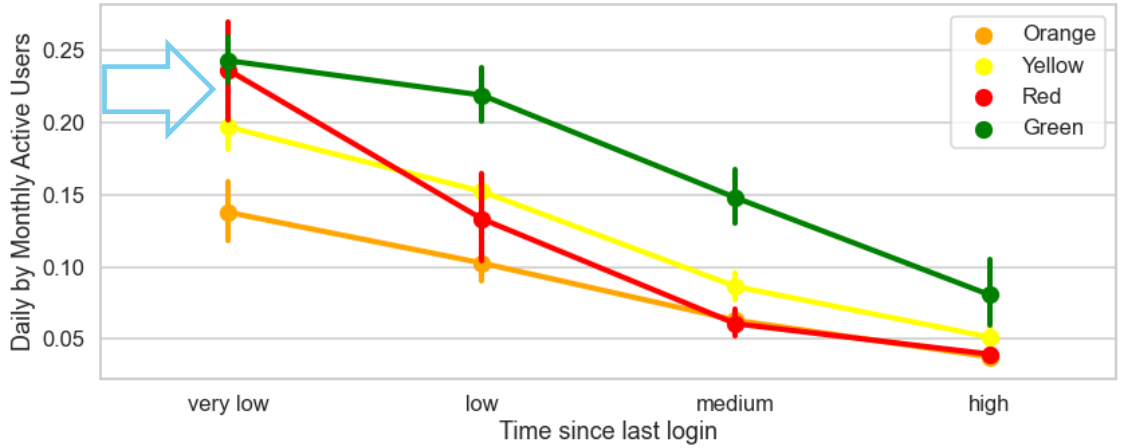
A LARGE PROPORTION OF HOSPITALS WITH YELLOW AND ORANGE ENGAGEMENT LEVELS HAVE A HIGH PROPORTION OF USERS BEING ACTIVE, SPENDING MORE TIME AND RECEIVING HIGHER NUMBER OF NOTIFICATIONS

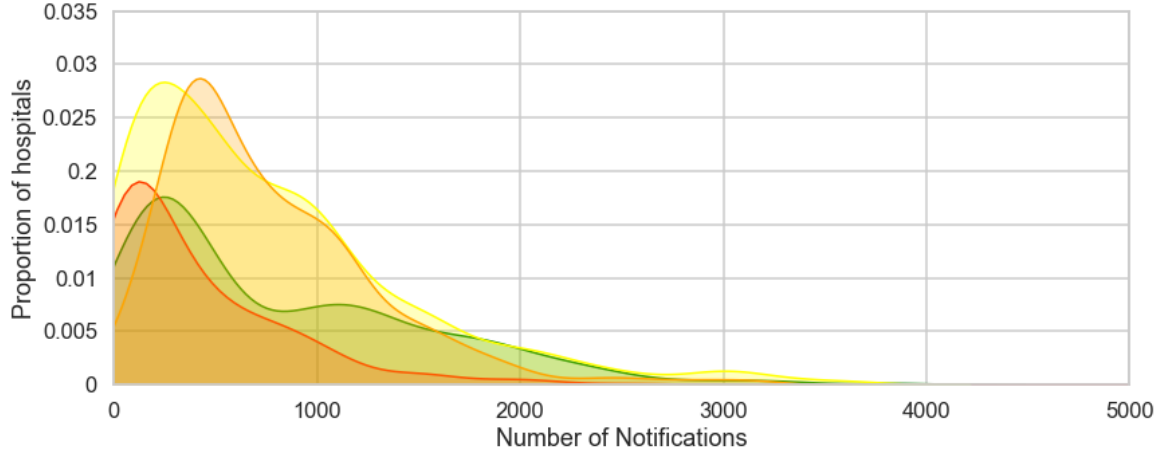
Distribution of time per user and proportion of total users who are active





Distribution of time since last login and number of notifications

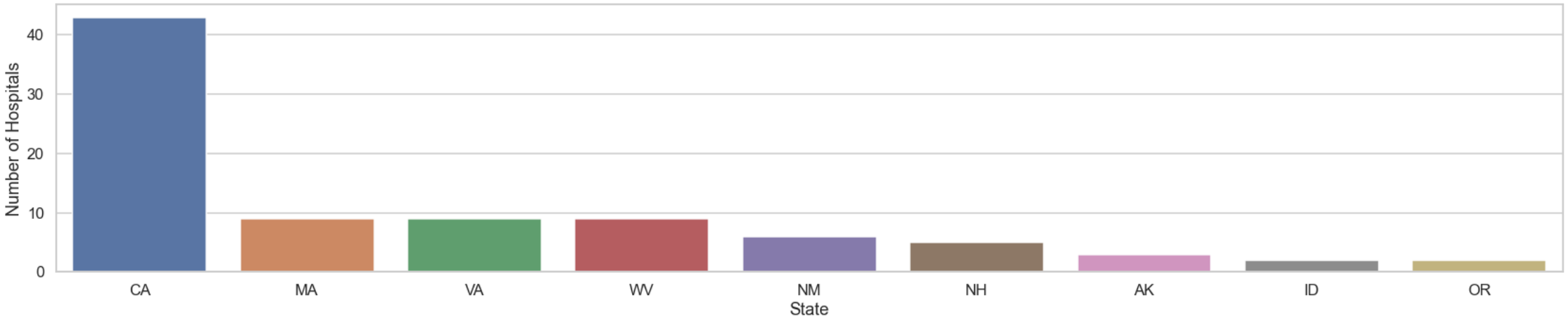


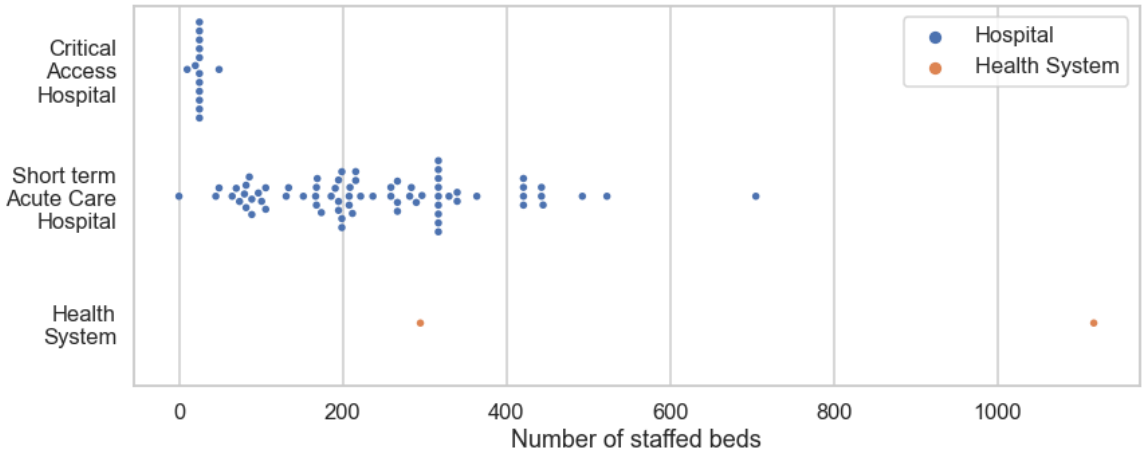


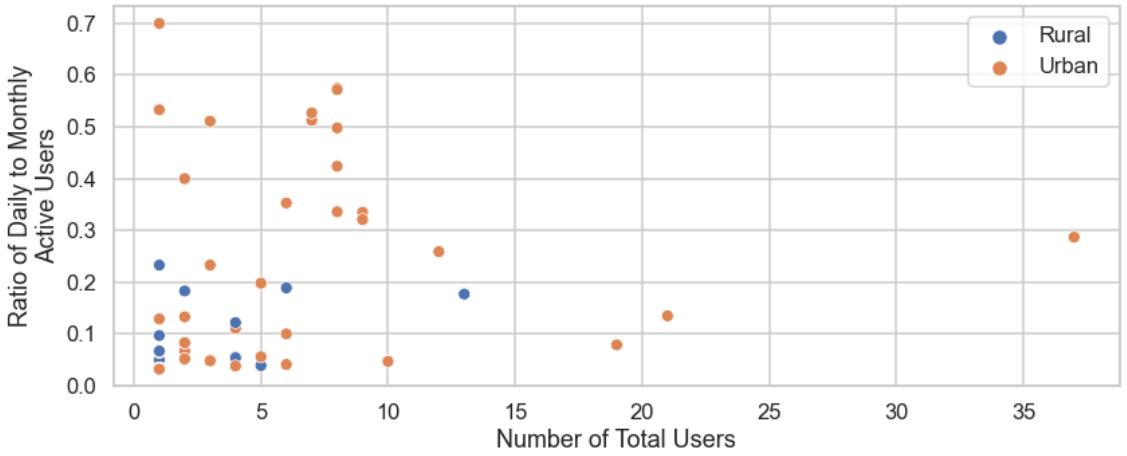
Let us focus on red level accounts with higher active users, who spend more time and login more frequently.

OUR FOCUS HOSPITALS, WITH COMPARATIVELY HIGHER NUMBER OF USERS, ARE MOSTLY FOUND IN URBAN AREAS IN CALIFORNIA AND ARE SHORT TERM ACUTE CARE HOSPITALS

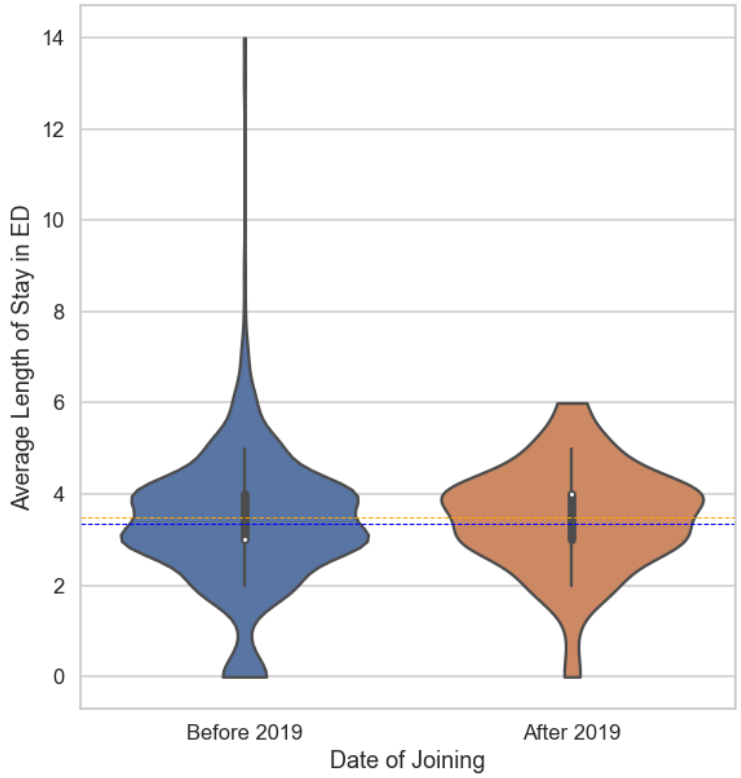
Distribution of Hospitals with red level engagement and high time per user

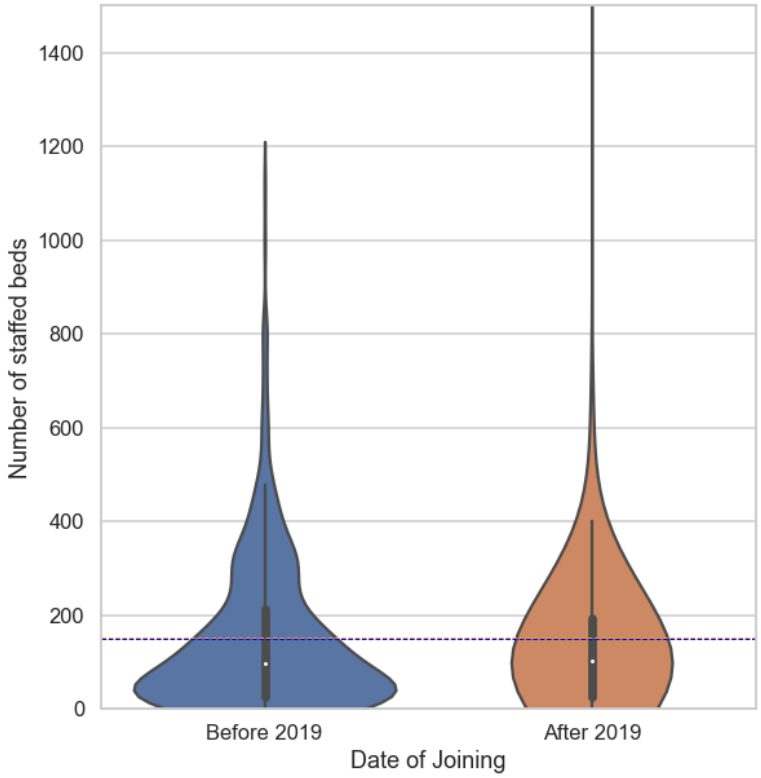






NO APPARENT CORRELATION BETWEEN LENGTH OF STAY OR NUMBER OF STAFFED BEDS IN THE HOSPITALS THAT JOINED BEFORE OR AFTER JANUARY 2019.





Tools used:

- Python 3

  (Matplotlib and Seaborn for visualization, Pandas for data wrangling)

- PowerPoint

  for building narrative

THANK YOU