Abstract of my work:

The dataset used in the visualization is Room Occupancy Estimation.

Total number of columns are *19*.

Toral number of tuples in the given dataset are *10129*.

All the data present in the dataset attributes are numerical.

Room_Occupancy_Count attribute is considered as the target attribute.

The Room_Occupancy_Count has 3 classified values *0,1,2,3*.

When the data in *CO2 Slope* is *less than -2* and the value in *PIR is 0* then the resulting count of room occupancy will be *0*.

Int eh same way major difference in the light attributes and CO2 attributes results in classification of count of Room Occupancy.

The Temperature attributes does not make much impact on Target attribute.

The main feature used for visualization is S1,S2,S3,S4 Light.

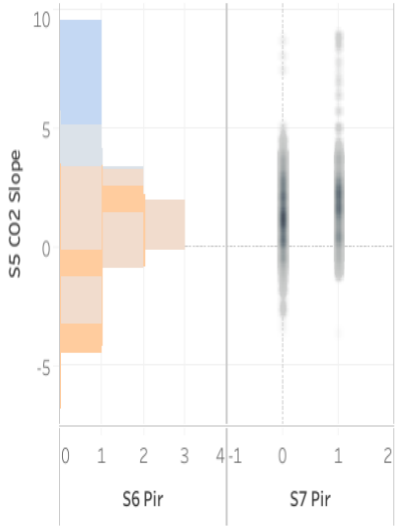
The date and Time attributes is used with Light and room occupancy attributes in visualization.

Tableau Dashboard Link:

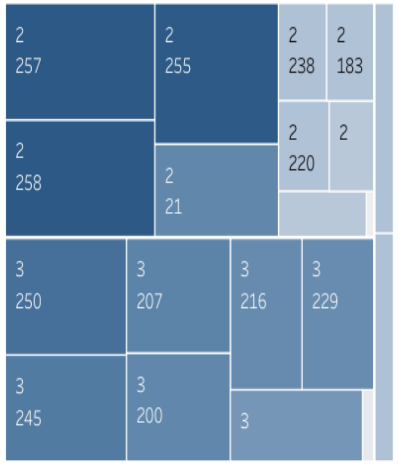
https://public.tableau.com/app/profile/arbaz1755/viz/DataVizualizationTheoryDA1/Dashboard1

Data Vizualization Theory DA1 by arbaz

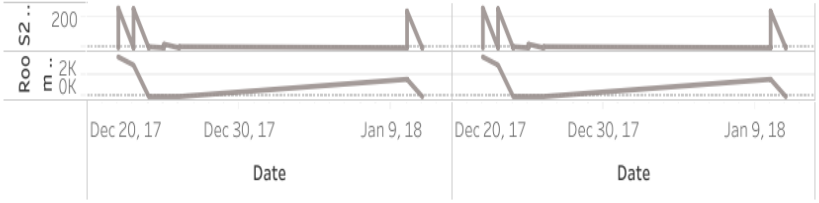
CO2 slope VS S6 & S7 PIR



S2 VS S3 light for Room Occupancy



Room Occupancy and S2 Light with respect to Date

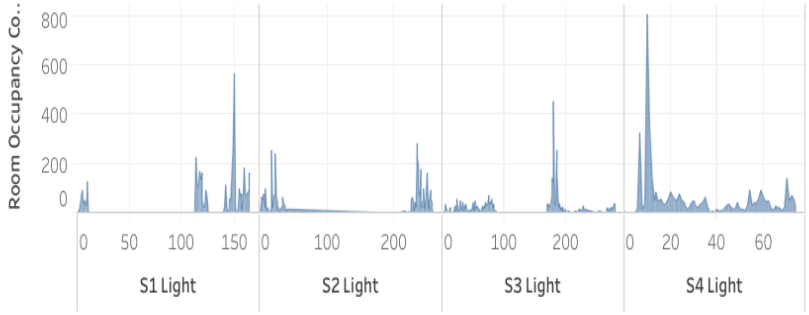


S3 Light
0 279

Room Occupancy Count
0 3

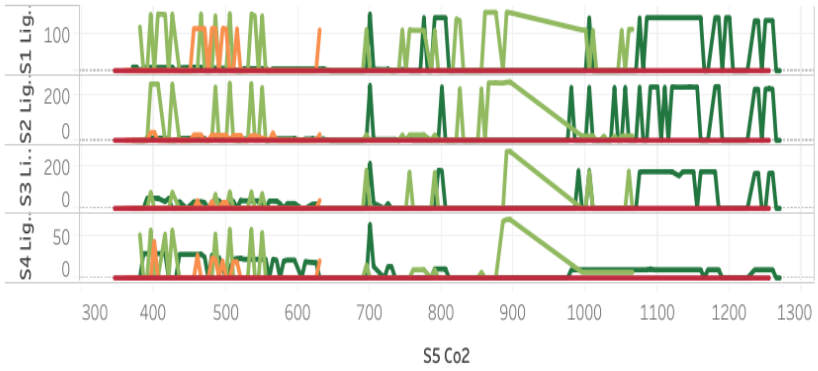
Room Occupancy Count
0 3

Room Occupancy VS S1,S2,S3,S4 light

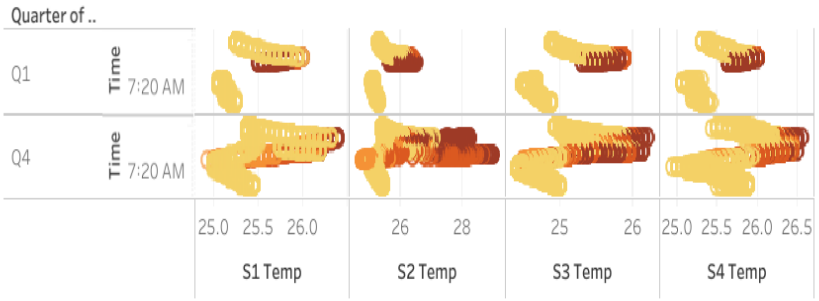


20BDS0274
RIYAZ
MOHAMMAD
ARBAZ

CO2 vs light with respect to Room Occupancy

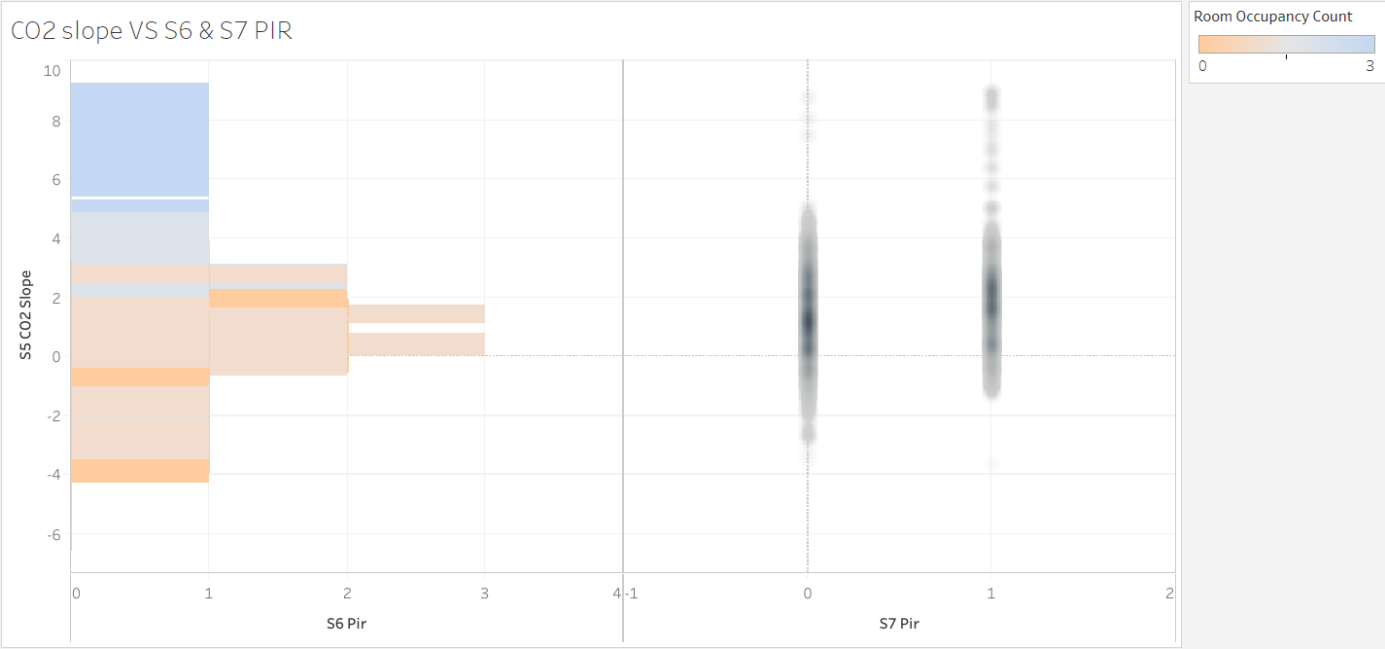


Quarter 1 time & Quarter 2 time VS Temperature

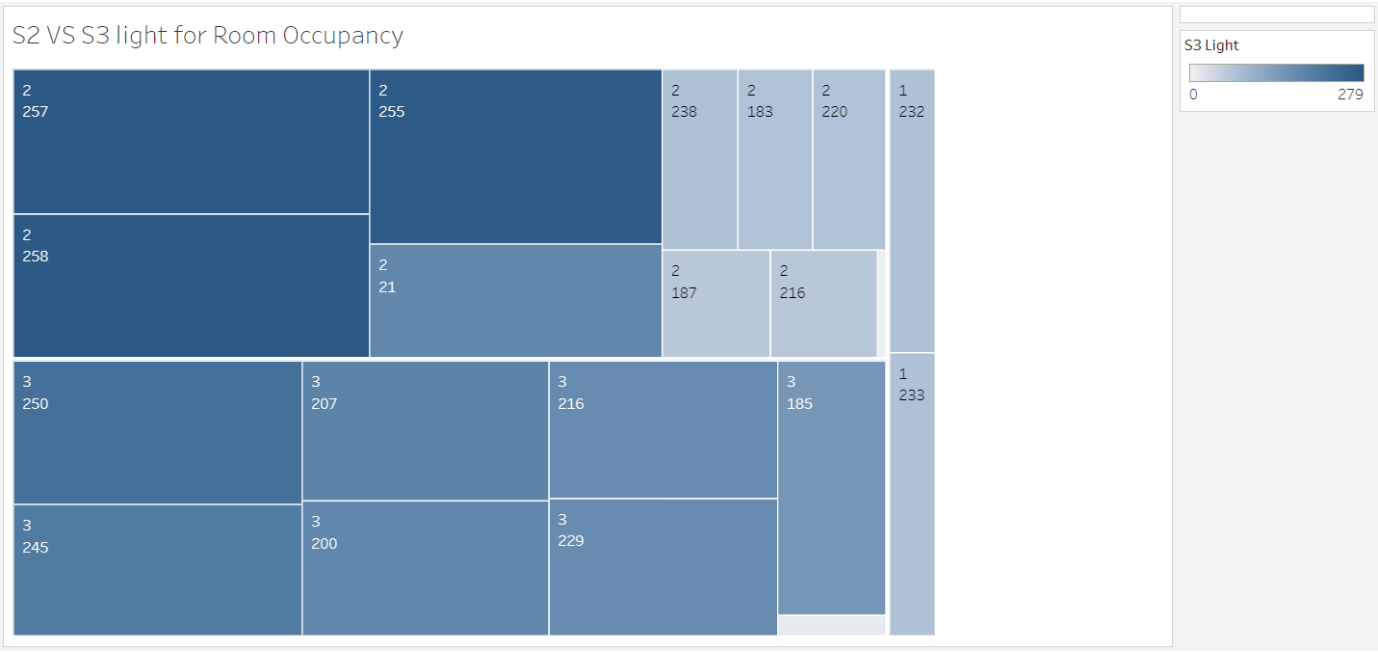


tableau

CO2 slope VS S6 & S7 PIR

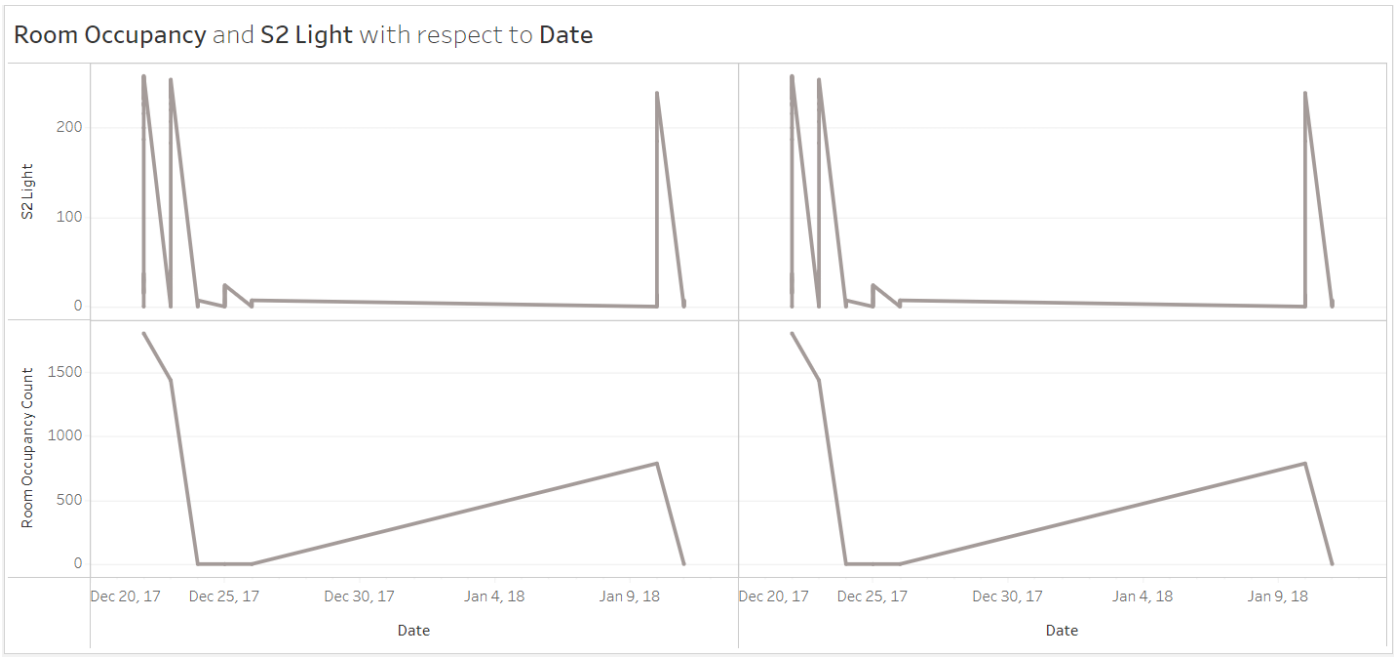


S2 VS S3 light for Room Occupancy

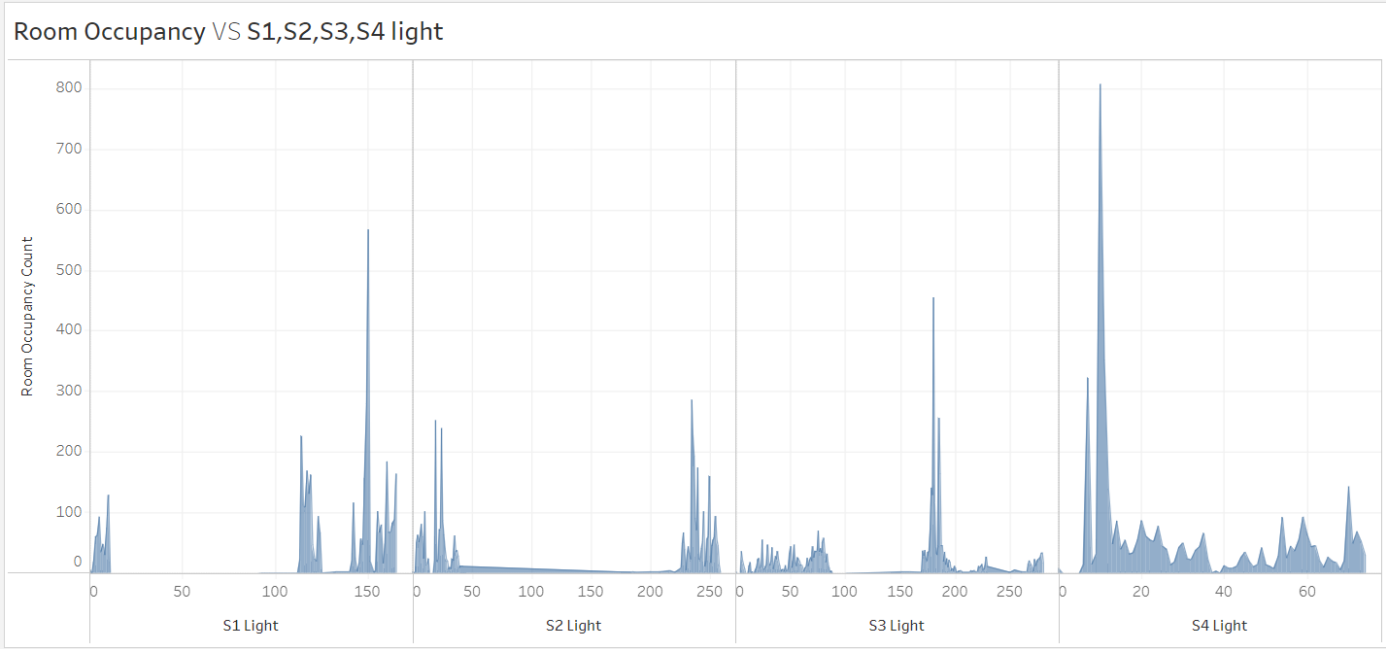


CO2 vs **light** with respect to **Room Occupancy**

Room Occupancy and **S2 Light** with respect to **Date**



Room Occupancy VS S1,S2,S3,S4 light



Quarter 1 time & Quarter 2 time VS Temperature