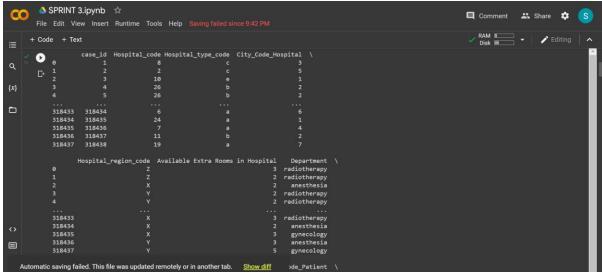
#### **Sprint 3**

#### **TEAM ID - PNT2022TMID14193**

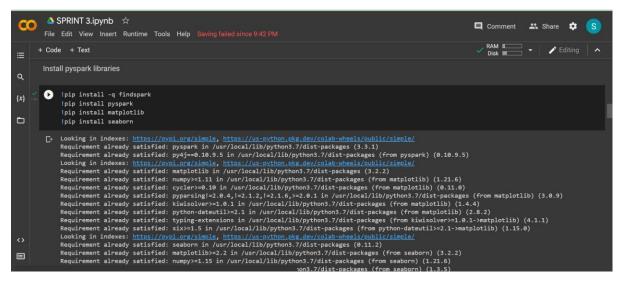
## **Prediction of Length of Stay**

## 1. Uploading Necessary files

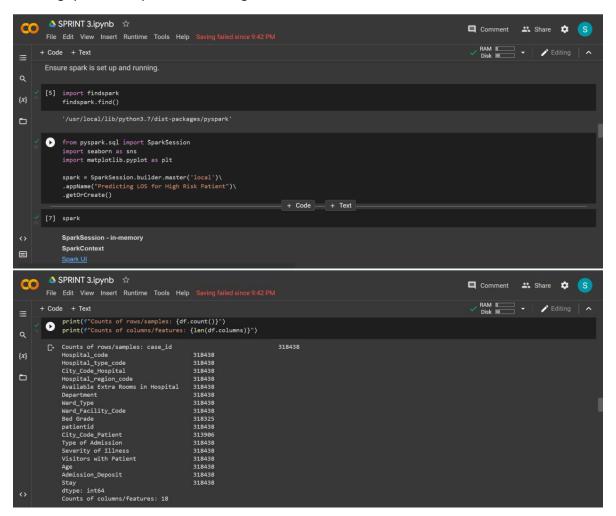




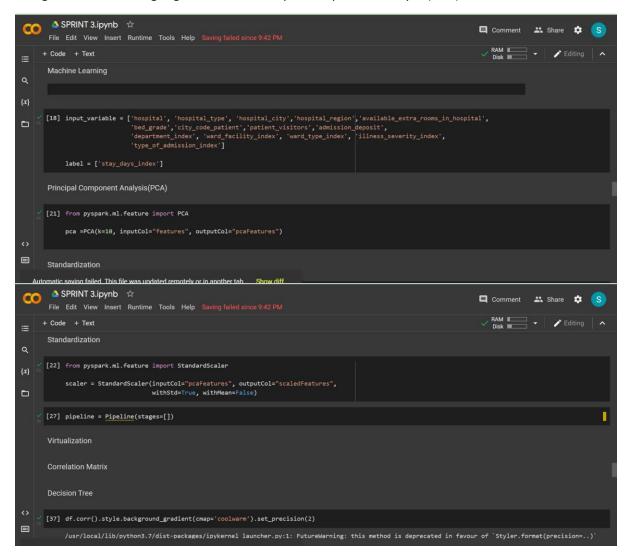
# Installing pyspark Libraries



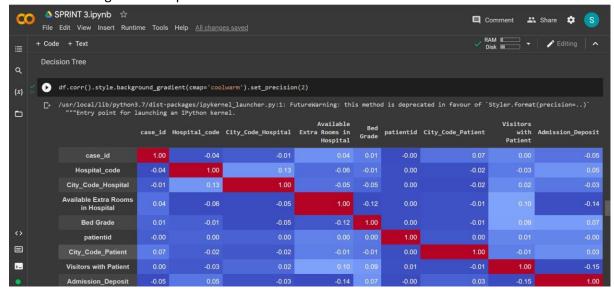
### Ensuring spark is setup and it is running



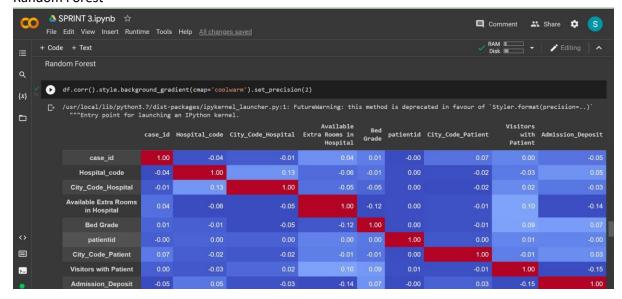
### Using Machine Learning Algorithm and Principal Component Analysis(PCA)



### Decision Tree Algorithm for prediction



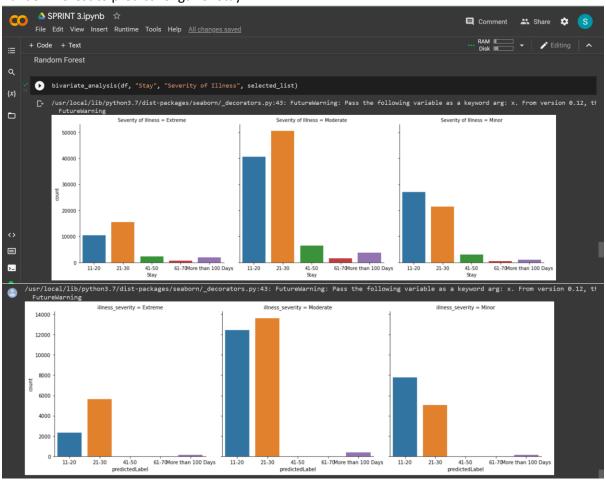
#### **Random Forest**



#### **Bivariate Analysis**



# Random Forest to predict Length of Stay



#### Decision Tree to predict Length of Stay

