HR ANALYTICS TO PREDICT THE DEMAND FOR HOURLY-EMPLOYEES

May 13, 2023

0.0.1 Import dataset

[1]:
```
data<-read.csv('hr.csv')
```

0.0.2 Data Summary

[2]:
```
summary(data)
```

```
 satisfaction_level last_evaluation  number_project  average_montly_hours
 Min.   :0.0900     Min.   :0.3600   Min.   :2.000   Min.   : 96.0
 1st Qu.:0.4400     1st Qu.:0.5600   1st Qu.:3.000   1st Qu.:156.0
 Median :0.6400     Median :0.7200   Median :4.000   Median :200.0
 Mean   :0.6128     Mean   :0.7161   Mean   :3.803   Mean   :201.1
 3rd Qu.:0.8200     3rd Qu.:0.8700   3rd Qu.:5.000   3rd Qu.:245.0
 Max.   :1.0000     Max.   :1.0000   Max.   :7.000   Max.   :310.0
 time_spend_company Work_accident        left        promotion_last_5years
 Min.   : 2.000     Min.   :0.0000   Min.   :0.0000   Min.   :0.00000
 1st Qu.: 3.000     1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.:0.00000
 Median : 3.000     Median :0.0000   Median :0.0000   Median :0.00000
 Mean   : 3.498     Mean   :0.1446   Mean   :0.2381   Mean   :0.02127
 3rd Qu.: 4.000     3rd Qu.:0.0000   3rd Qu.:0.0000   3rd Qu.:0.00000
 Max.   :10.000     Max.   :1.0000   Max.   :1.0000   Max.   :1.00000
    sales              salary
 Length:14999       Length:14999
 Class :character   Class :character
 Mode  :character   Mode  :character
```

0.0.3 RENAMING THE IRRELEVANT VARIABLE NAME

[3]:
```
install.packages('plyr')
```

```
Installing package into 'C:/Users/JASHWANTH/AppData/Local/R/win-library/4.2'
(as 'lib' is unspecified)
```