

# data analysis

through analysis of the different features

1 prediction about weekands is correct energy we can see in the plot that in case of weekands the is more but tuesday is not always lucky .

2 in case of volume level in v\_alpha venue even though increasing he vol the energy level do have dec.

3 prediction about prices in vgamma is correct.

4 as the opener rating increasing the crowd energy level is increasing.

5 full moon concert are generally good so we can say that this prediction is right

model choice

we have chosen random forest regressor as it works in mixed features and it can handle non linear data

we have use kfold cross validation method for hypertuning

kfold helps the system to not to depend on only one data set .it splits the data itno k fold

it stable and reduces the risk of depending on only 1 data set

through this process we are getting rmse -0.03

