Applicant Test

At https://archive.ics.uci.edu/ml/datasets/Bike+Sharing+Dataset a Bike Sharing Data set can be found.

Please make an explorative data analysis and prediction model for the hourly utilization "cnt" using python. As an evaluation data set use about 10% randomly selected events. Besides your own ideas please calculate the MAE (http://en.wikipedia.org/wiki/Mean_absolute_error) on the evaluation set:

$$\frac{1}{n}\sum_{i=1}^{n}|prediction_i - truth_i|$$

We are interested in your findings from your analysis, your software implementation and the evaluation of the prediction model.

Please do not spend more than a few hours on the topic and let us how you approached the task.