Machine Learning via Gradient Boosting

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In this module, we're going to explore the gradient boosting algorithm.

Package Installation

The package in question is "gbm".

Dataset

We'll be employing the enhancer prediction dataset to exemplify the application of gradient boosting algorithm. The details for the dataset could be reached here.

```
epdata <- readRDS("../Machine_Learning_Deep_Learning/data/ep_data.rds")
rownames(epdata) <- c()

set.seed(001)
data_partition <- sample(2, nrow(epdata), replace = TRUE, prob = c(0.8,0.2))
train <- epdata[data_partition==1,]
test <- epdata[data_partition==2,]</pre>
```