news\_data <- read\_csv(file = "OnlineNewsPopularity.csv")

news\_data <- news\_data %>% filter(weekday\_is\_monday == 1) %>% select(-url, -timedelta, -weekday\_is\_friday, -weekday\_is\_saturday, -weekday\_is\_sunday, -weekday\_is\_thursday, -weekday\_is\_wednesday, -weekday\_is\_tuesday, -is\_weekend, -weekday\_is\_monday)

news\_data <- preProcess(news\_data, method = c("center", "scale"))

set.seed(50)

index\_train <- createDataPartition(news\_data$shares, p=0.7, list=FALSE)

train\_news <- news\_data[index\_train, ]

test\_news <- news\_data[-index\_train, ]

lambda <- seq(0, 1, .01)

B <- seq(0, 100, 10)

d <- seq(1, 4, 1)

boost\_fit <- train(shares ~ kw\_avg\_avg + self\_reference\_min\_shares + self\_reference\_avg\_sharess, data=train\_news,

method="bstTree",

trControl = trainControl(method="cv", number = 3),

tuneGrid = expand.grid(mstop=B, maxdepth=d, nu=lambda))

boost\_fit