

Ensembles Lab 2: Boosting

Adapted by EVL, FRC and ASP

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```
# Helper packages
library(dplyr)      # for data wrangling
library(ggplot2)    # for awesome plotting
library(modeldata)
library(foreach)    # for parallel processing with for loops

# Modeling packages
# library(tidymodels)
library(xgboost)
library(gbm)
```

Introduction

This lab continues on the previous one showing how to apply boosting. The same dataset as before will be used

Ames Housing dataset

Package **AmesHousing** contains the data jointly with some instructions to create the required dataset.

We will use, however data from the **modeldata** package where some preprocessing of the data has already been performed (see: <https://www.tmwr.org/ames>)

The dataset has 74 variables so a descriptive analysis is not provided.