

Report code

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This markdown file contains the code used to produce all plots and conduct all statistical analysis contained within the report.

First load the important packages.

```
library(tidyverse)
library(reshape2)
library(ggplot2)
library(glmnet)
library(ROCR)
library(caret)
library(cvms)
library(tibble)
library(pROC)
library(checkmate)
library(BBmisc)
library(testit)
library(devtools)
library(mlr)
```

Next, install and load the `higgsboson` package.

```
install_github("https://github.com/hsansford1/higgsboson")
library(higgsboson)
```