

Evaluate testing data (regression) - Lasso

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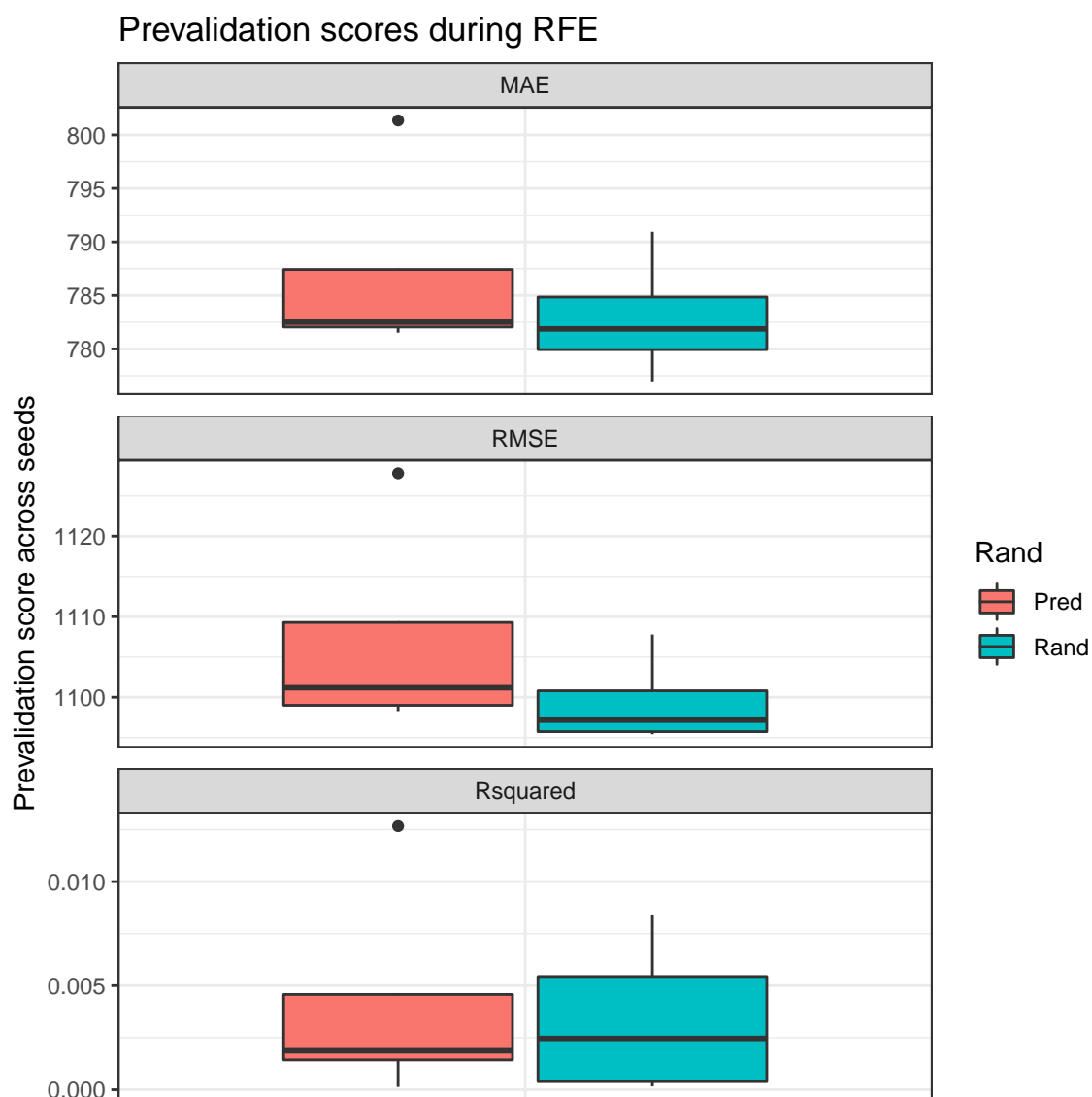
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```
## user input
project_home <- "~/EVE/examples"
project_name <- "lasso_regression_noSplitCV"
```

0. Load Data

```
## Error : $ operator is invalid for atomic vectors
## 300 of samples were used
## 100 of full features
## 4 runs, each run contains 3 CVs.
## os_time :
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      0.0   182.8   480.0   889.4  1221.2   7125.0
run with lasso.r.
```

1. Scores

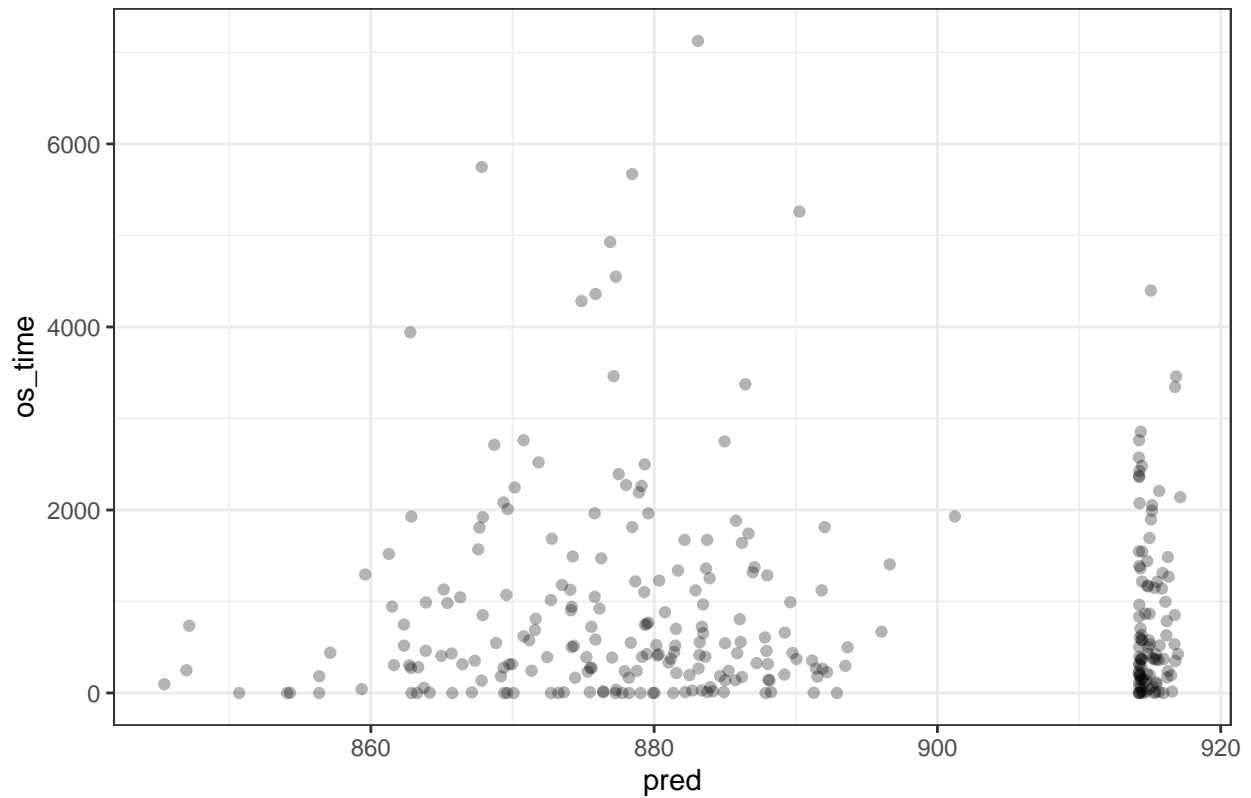


'Pred' compares the actual CV prediction with observed value. 'Rand' compares permuted CV prediction with observed to mimic random prediction.

correlation

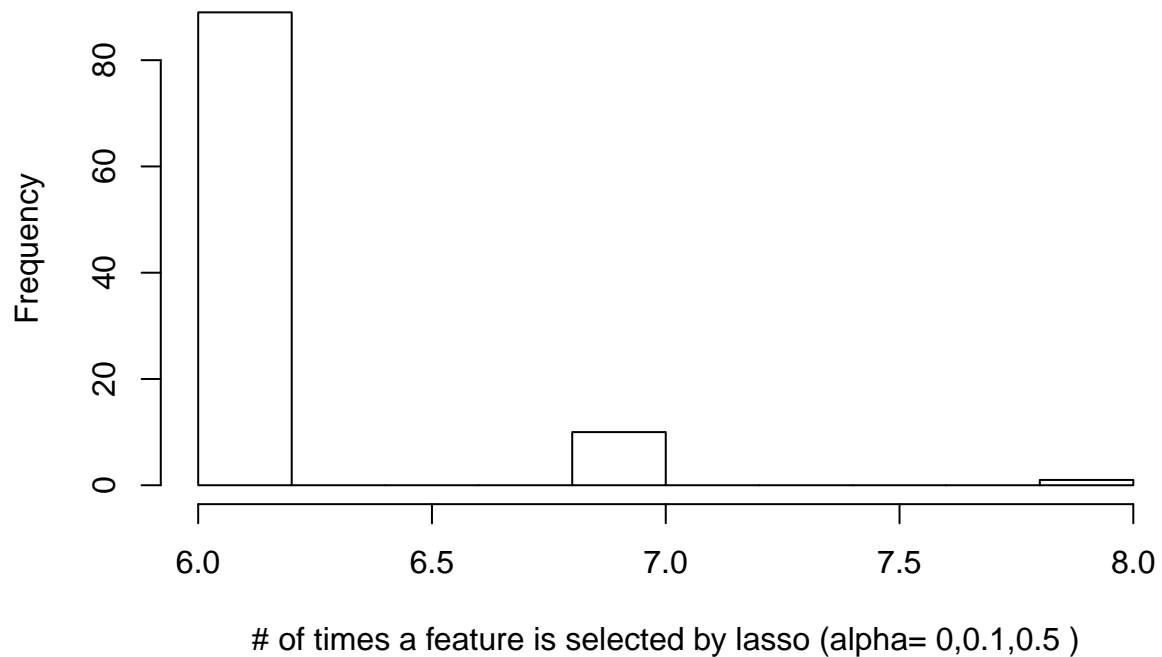
```
##
##
## Table: Averaged pearson correlation across seeds
##
##      cor.avg      cor.sdt
## -----
## -0.0526536  0.0426274
```

Correlation at seed = 1001 using 100 feature set input



2. Important Features

distribution across 3 seed x 3 CV

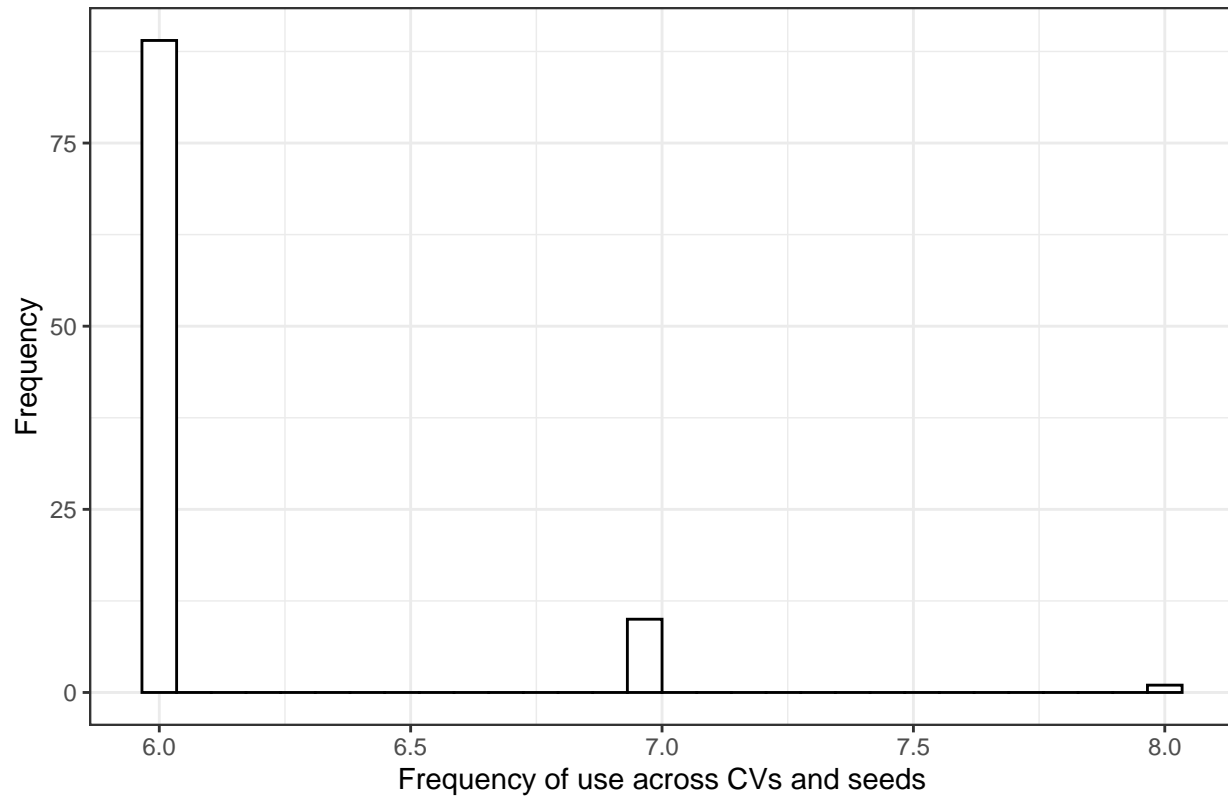


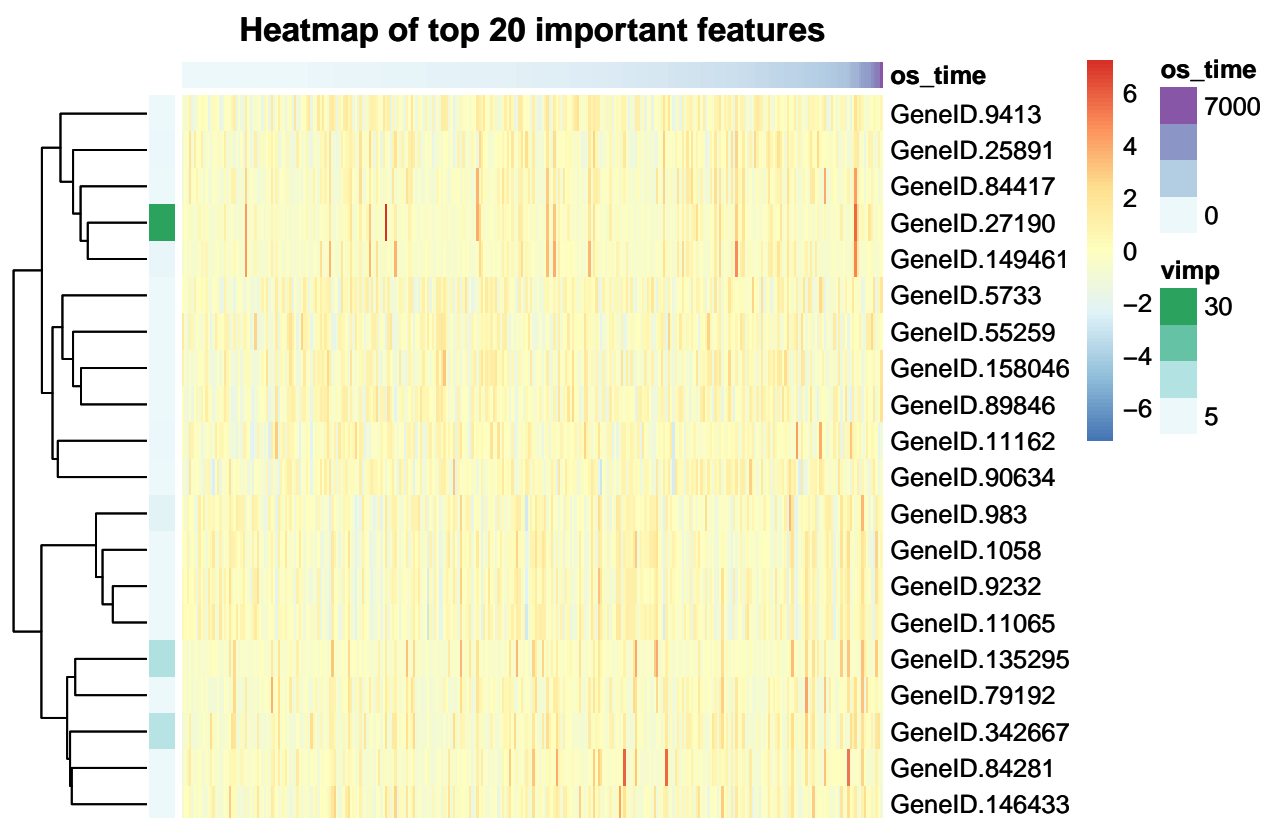
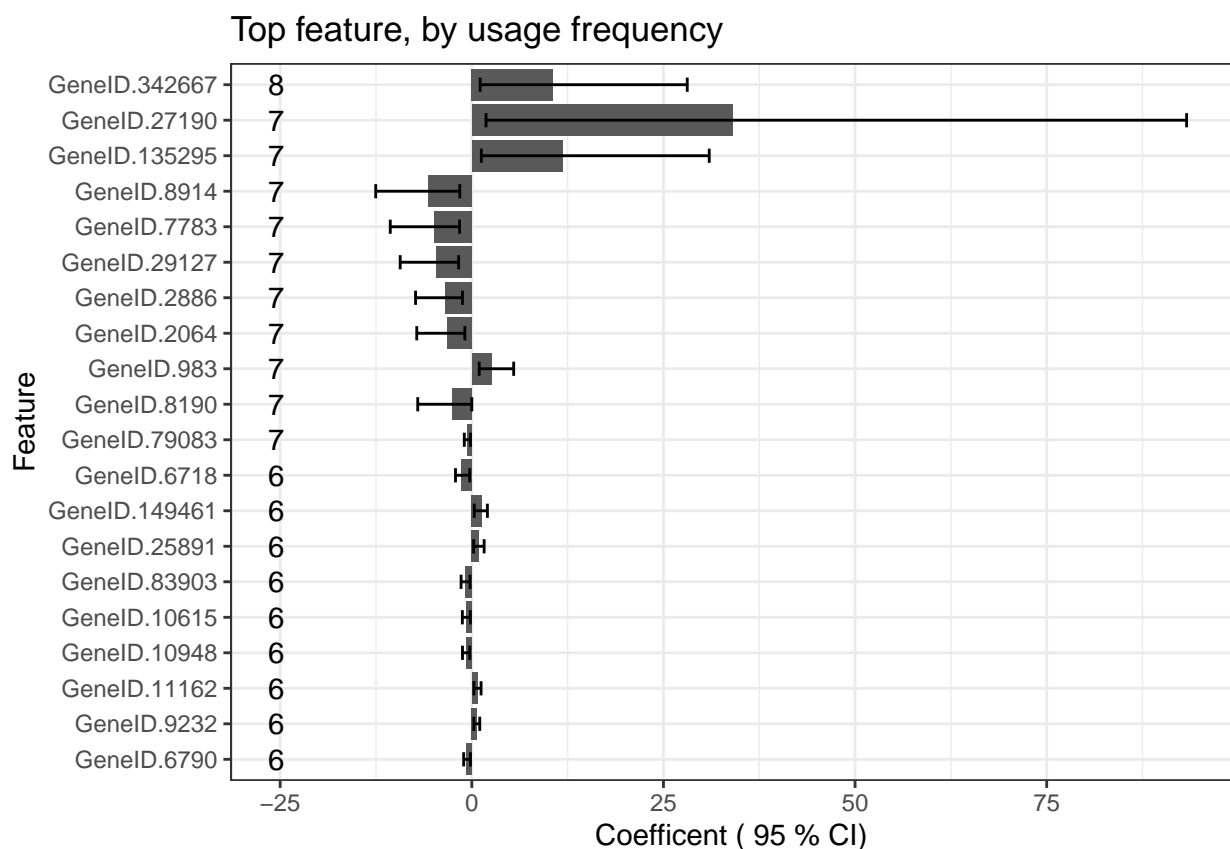
```
## [1] "there are 100 unique features used from the 100 feature set"
## [1] "summary of number of features used in each run under 3 seeds and 3 CVs"

##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##       1      10     100     68    100     100

## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

Distribution across all 100 features





Coefficients are labeled as vimp in the legend.