

Evaluate testing data (regression) - Lasso

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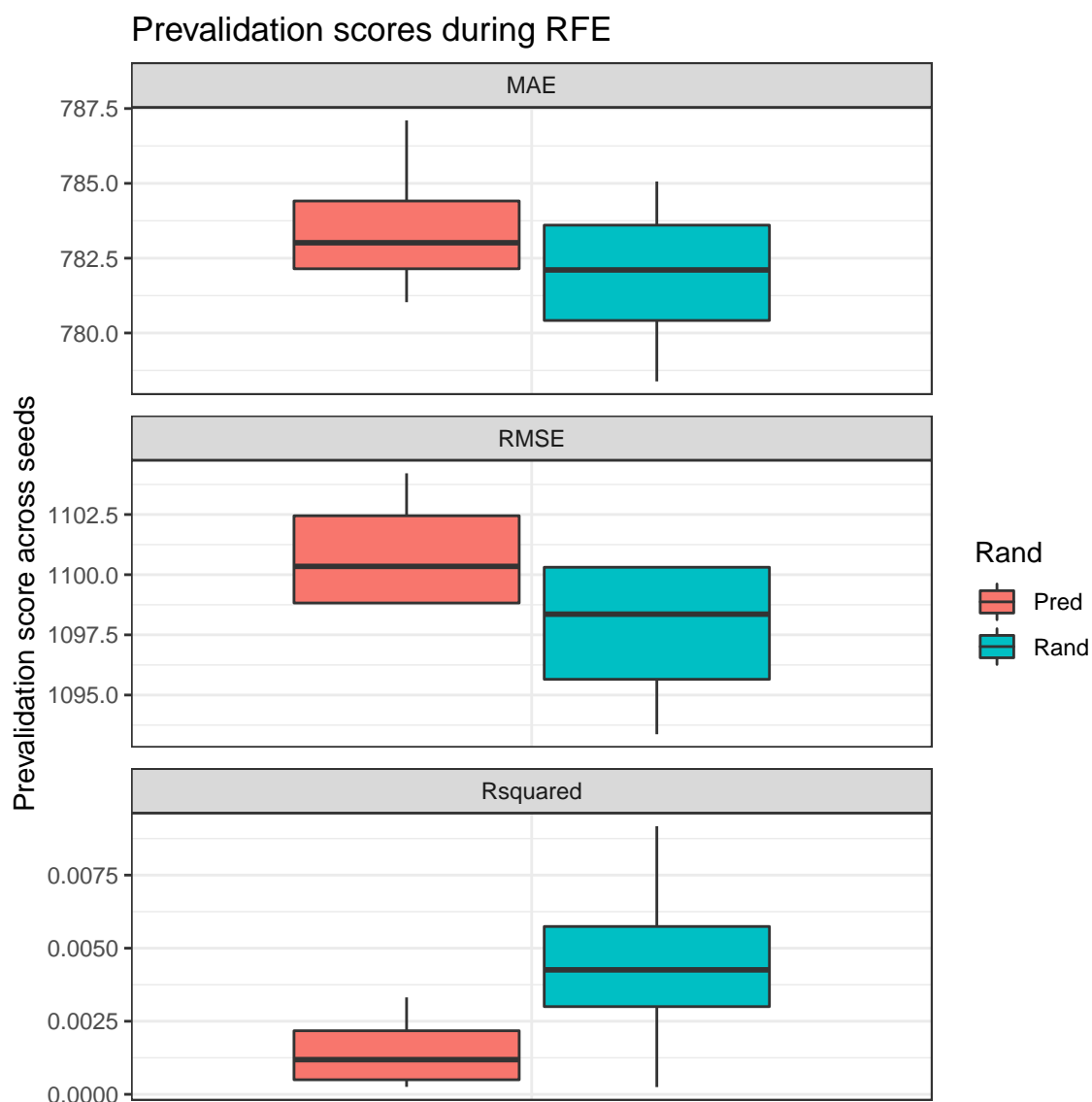
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```
## user input
project_home <- "~/EVE/examples"
project_name <- "lasso_regression_noSplitCV"
```

0. Load Data

```
## 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

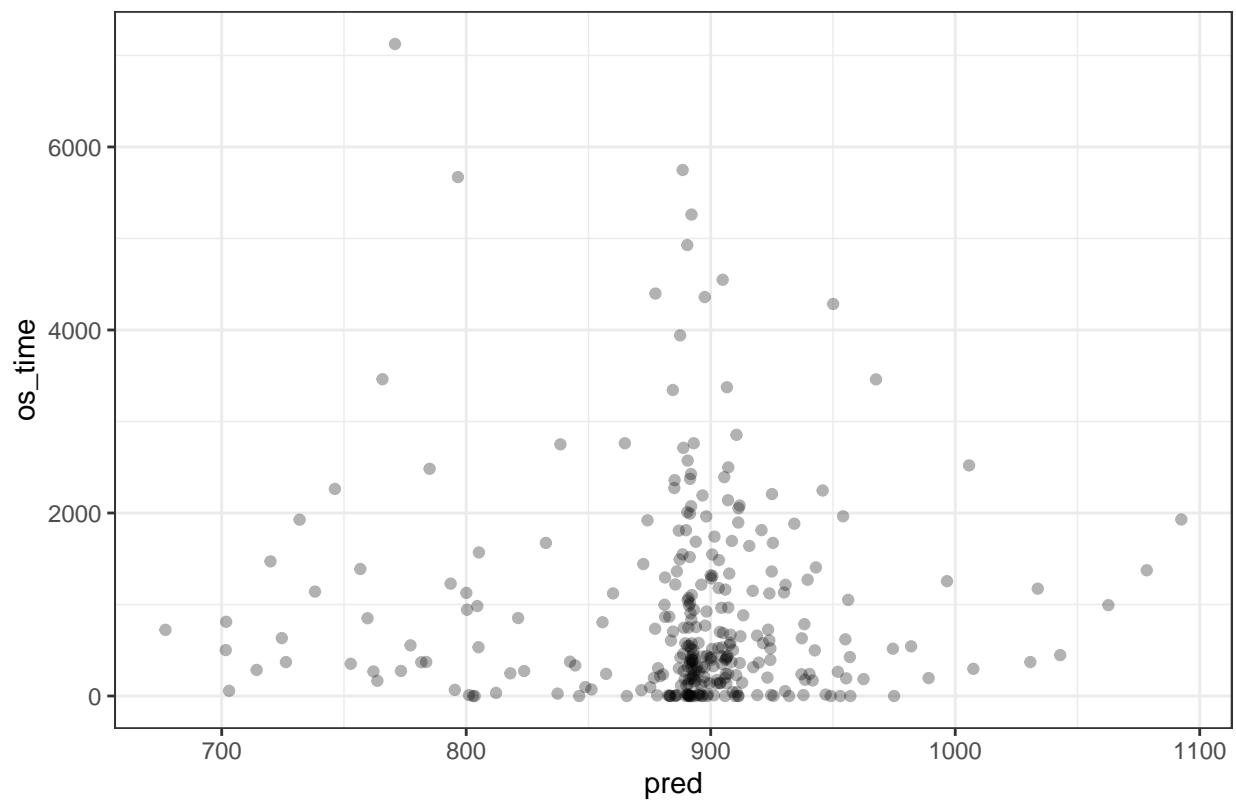


'Pred' compares the actual CV prediction with observed value. 'Rand' compares permuted CV prediction with observed to mimic random prediction.

correlation

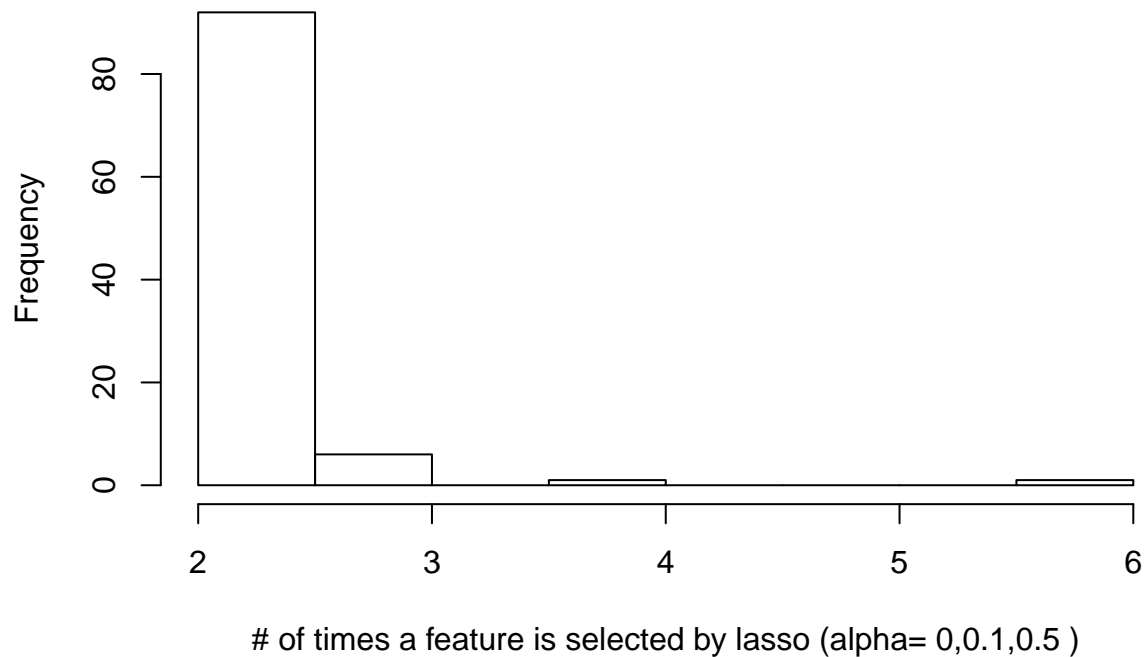
```
##
##
## Table: Averaged pearson correlation across seeds
##
## cor.avg cor.sdt
## -----
## -0.035  0.01867
```

Correlation at seed = 1001 using 100 feature set input

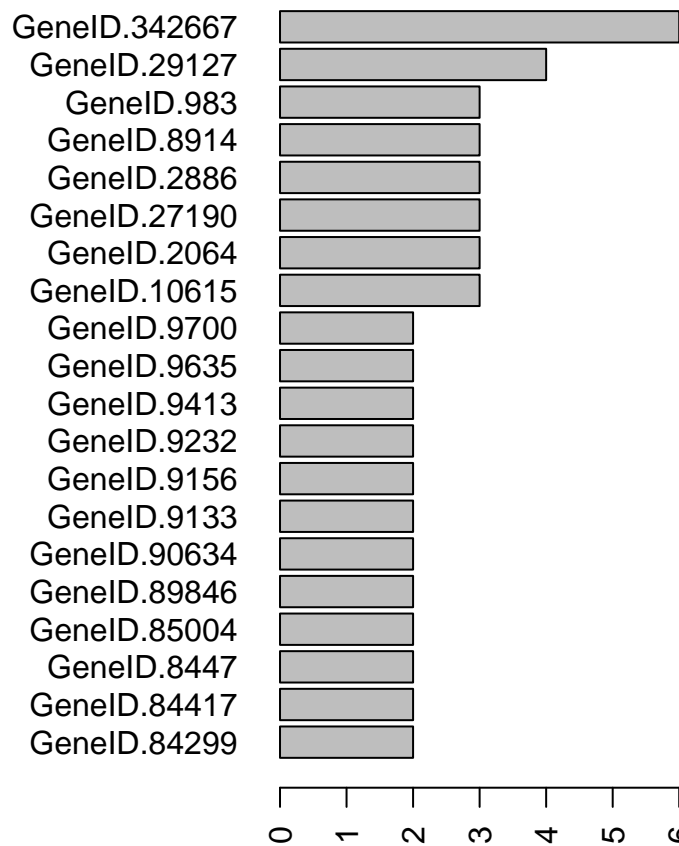


2. Important Features

distribution across 2 seed x 3 CV



Number of times a feature is used



```
## (currently only Lasso has this graph)[1] "there are 100 unique features used from the 100 feature set"
## [1] "summary of number of features used in each run under 2 seeds and 3 CVs"
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      2.00   2.50    4.00   35.33   76.00   100.00
```

