lab 15

2025-06-24

```
OLS first
```

```
one_hot_pts = cbind(one_hot, pts = nba_lineups_ext$pts_poss)

ols_model = lm(pts ~ . + 0, data = one_hot_pts)

RIDGGGG

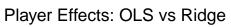
lambdas = 10^seq(-3, 3, by = 0.2)
ridge_model = cv.glmnet(
    x = as.matrix(one_hot),
    y = nba_lineups_ext$pts_poss,
    alpha = 0,
    lambda = lambdas,
```

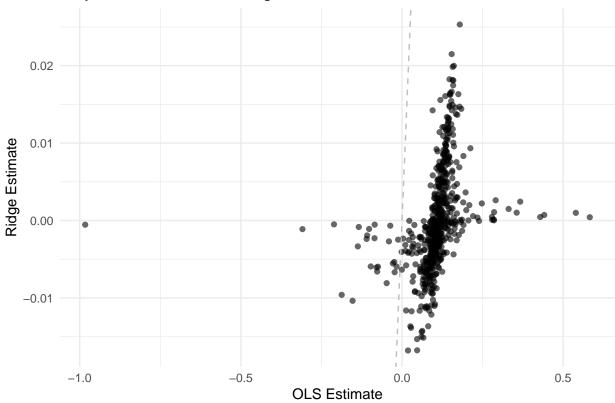
1_min = ridge_model\$lambda.min

lets draw some stuf!

nfolds = 5,

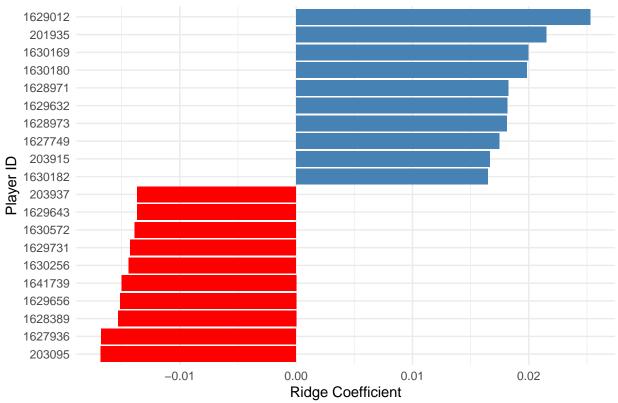
family = "gaussian",
standardize = FALSE



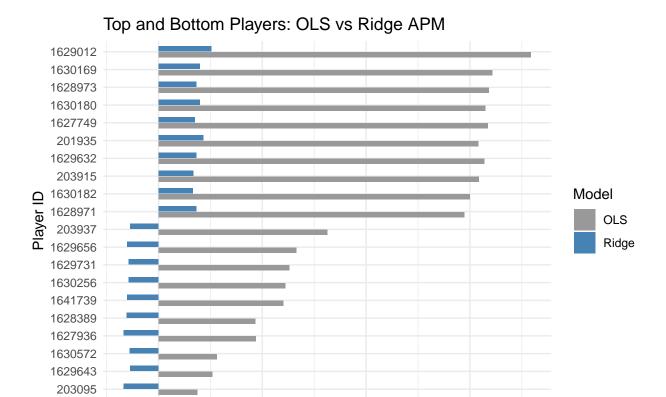


anotha one! - DJ Khaled

Top and Bottom Players by Ridge APM



oops I did it again



0.10

Estimated Effect (Points per Possession)

0.15

low k kinda wild that one. peace and love baby

0.00

0.05