> IRON\_LOOCV

Linear Regression with Stepwise Selection

19 samples

7 predictor

No pre-processing

Resampling: Bootstrapped (25 reps)

Summary of sample sizes: 19, 19, 19, 19, 19, 19, ...

Resampling results:

RMSE Rsquared MAE

14367.33 0.2047655 10606.94

IRON\_LOOCV$finalModel

Call:

lm(formula = .outcome ~ RONR\_Mean, data = dat)

Coefficients:

(Intercept) RONR\_Mean

25440 -51954

IRON\_LOOCV$results

parameter RMSE Rsquared MAE RMSESD RsquaredSD MAESD

1 none 14367.33 0.2047655 10606.94 19980.09 0.2359172 14195.97

summary(IRON\_LOOCV)

Call:

lm(formula = .outcome ~ RONR\_Mean, data = dat)

Residuals:

Min 1Q Median 3Q Max

-6453.1 -2807.4 -146.3 2188.2 7315.3

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 25440 2776 9.163 5.49e-08 \*\*\*

RONR\_Mean -51954 16664 -3.118 0.00626 \*\*

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 4292 on 17 degrees of freedom

Multiple R-squared: 0.3638, Adjusted R-squared: 0.3264

F-statistic: 9.72 on 1 and 17 DF, p-value: 0.006261

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| IRON\_LOOCV$finalModel$anova  Stepwise Model Path  Analysis of Deviance Table  Initial Model:  .outcome ~ SAGA\_MRRTF + SAGA\_Valley\_Depth + STANDART\_Topographic\_Wetness\_Index +  SAGA\_ProfileCurvature + NDVI\_Mean + RONR\_Mean + CNR\_Mean  Final Model:  .outcome ~ RONR\_Mean  Step Df Deviance Resid. Df Resid. Dev AIC  1 11 224705952 325.4314  2 - CNR\_Mean 1 1116357 12 225822309 323.5256  3 - SAGA\_ProfileCurvature 1 9155436 13 234977745 322.2807  4 - NDVI\_Mean 1 8449018 14 243426762 320.9519  5 - SAGA\_Valley\_Depth 1 15837544 15 259264307 320.1495  6 - STANDART\_Topographic\_Wetness\_Index 1 27796379 16 287060686 320.0845  7 - SAGA\_MRRTF 1 26143727 17 313204413 319.7406 |
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