NICKEL\_LOOCV

Linear Regression with Stepwise Selection

19 samples

5 predictor

No pre-processing

Resampling: Bootstrapped (25 reps)

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

Resampling results:

RMSE Rsquared MAE

33.01876 0.1181342 25.81909

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| NICKEL\_LOOCV$finalModel  Call:  lm(formula = .outcome ~ SAGA\_MRRTF + INR\_Mean, data = dat)  Coefficients:  (Intercept) SAGA\_MRRTF INR\_Mean  52.57 10.98 311.39  > NICKEL\_LOOCV$results  parameter RMSE Rsquared MAE RMSESD RsquaredSD MAESD  1 none 33.01876 0.1181342 25.81909 9.569201 0.1716739 7.241616  > summary(NICKEL\_LOOCV)  Call:  lm(formula = .outcome ~ SAGA\_MRRTF + INR\_Mean, data = dat)  Residuals:  Min 1Q Median 3Q Max  -33.333 -13.240 1.714 11.675 55.554  Coefficients:  Estimate Std. Error t value Pr(>|t|)  (Intercept) 52.567 12.744 4.125 0.000794 \*\*\*  SAGA\_MRRTF 10.977 3.622 3.030 0.007957 \*\*  INR\_Mean 311.389 192.398 1.618 0.125105  ---  Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  Residual standard error: 22.55 on 16 degrees of freedom  Multiple R-squared: 0.3798, Adjusted R-squared: 0.3023  F-statistic: 4.899 on 2 and 16 DF, p-value: 0.02189 |
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| varImp(NICKEL\_LOOCV$finalModel)  Overall  SAGA\_MRRTF 3.030461  INR\_Mean 1.618457  > NICKEL\_LOOCV$finalModel$anova  Stepwise Model Path  Analysis of Deviance Table  Initial Model:  .outcome ~ SAGA\_Aspect + SAGA\_MRRTF + SAGA\_Valley\_Depth + SAGA\_PlanCurvature +  INR\_Mean  Final Model:  .outcome ~ SAGA\_MRRTF + INR\_Mean  Step Df Deviance Resid. Df Resid. Dev AIC  1 13 7423.012 125.3901  2 - SAGA\_Valley\_Depth 1 122.8369 14 7545.849 123.7020  3 - SAGA\_Aspect 1 123.4755 15 7669.325 122.0104  4 - SAGA\_PlanCurvature 1 467.3869 16 8136.711 121.1343 |
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