Biophysical *n* = 1 – 100 results

iter = 1 :: Growing trees.. Progress: 58%. Estimated remaining time: 22 seconds.

Computing permutation importance.. Progress: 85%. Estimated remaining time: 5 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3633

R squared (OOB): 0.8018595

iter = 2 :: Growing trees.. Progress: 39%. Estimated remaining time: 49 seconds.

Growing trees.. Progress: 77%. Estimated remaining time: 18 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9964

R squared (OOB): 0.8020952

iter = 3 :: Growing trees.. Progress: 50%. Estimated remaining time: 30 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6518

R squared (OOB): 0.8023167

iter = 4 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1648

R squared (OOB): 0.801987

iter = 5 :: Growing trees.. Progress: 48%. Estimated remaining time: 33 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.9732

R squared (OOB): 0.8014676

iter = 6 :: Growing trees.. Progress: 56%. Estimated remaining time: 24 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.626

R squared (OOB): 0.8016907

iter = 7 :: Growing trees.. Progress: 55%. Estimated remaining time: 25 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2881

R squared (OOB): 0.8019078

iter = 8 :: Growing trees.. Progress: 56%. Estimated remaining time: 24 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2638

R squared (OOB): 0.8019235

iter = 9 :: Growing trees.. Progress: 56%. Estimated remaining time: 24 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1565

R squared (OOB): 0.8019924

iter = 10 :: Growing trees.. Progress: 56%. Estimated remaining time: 24 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7226

R squared (OOB): 0.8022712

iter = 11 :: Growing trees.. Progress: 56%. Estimated remaining time: 24 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9552

R squared (OOB): 0.8021217

iter = 12 :: Growing trees.. Progress: 56%. Estimated remaining time: 24 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.251

R squared (OOB): 0.8019317

iter = 13 :: Growing trees.. Progress: 46%. Estimated remaining time: 37 seconds.

Growing trees.. Progress: 95%. Estimated remaining time: 3 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.9068

R squared (OOB): 0.8015102

iter = 14 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2326

R squared (OOB): 0.8019435

iter = 15 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3741

R squared (OOB): 0.8018526

iter = 16 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1

R squared (OOB): 0.8020287

iter = 17 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.8113

R squared (OOB): 0.8015716

iter = 18 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.4369

R squared (OOB): 0.8018122

iter = 19 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.4205

R squared (OOB): 0.8018228

iter = 20 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2868

R squared (OOB): 0.8019086

iter = 21 :: Growing trees.. Progress: 52%. Estimated remaining time: 28 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0717

R squared (OOB): 0.8020469

iter = 22 :: Growing trees.. Progress: 53%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8373

R squared (OOB): 0.8021975

iter = 23 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3822

R squared (OOB): 0.8018474

iter = 24 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.7404

R squared (OOB): 0.8016172

iter = 25 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1573

R squared (OOB): 0.8019919

iter = 26 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7586

R squared (OOB): 0.8022481

iter = 27 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3597

R squared (OOB): 0.8018618

iter = 28 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.538

R squared (OOB): 0.8023898

iter = 29 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2219

R squared (OOB): 0.8019503

iter = 30 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9285

R squared (OOB): 0.8021388

iter = 31 :: Growing trees.. Progress: 53%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0491

R squared (OOB): 0.8020614

iter = 32 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8736

R squared (OOB): 0.8021741

iter = 33 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.4811

R squared (OOB): 0.8017838

iter = 34 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6642

R squared (OOB): 0.8023087

iter = 35 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3437

R squared (OOB): 0.8018721

iter = 36 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9461

R squared (OOB): 0.8021276

iter = 37 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7917

R squared (OOB): 0.8022268

iter = 38 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9298

R squared (OOB): 0.8021381

iter = 39 :: Growing trees.. Progress: 42%. Estimated remaining time: 42 seconds.

Growing trees.. Progress: 84%. Estimated remaining time: 11 seconds.

Computing permutation importance.. Progress: 98%. Estimated remaining time: 0 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0309

R squared (OOB): 0.802073

iter = 40 :: Growing trees.. Progress: 42%. Estimated remaining time: 42 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8263

R squared (OOB): 0.8022046

iter = 41 :: Growing trees.. Progress: 44%. Estimated remaining time: 39 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0085

R squared (OOB): 0.8020875

iter = 42 :: Growing trees.. Progress: 45%. Estimated remaining time: 37 seconds.

Growing trees.. Progress: 90%. Estimated remaining time: 6 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3562

R squared (OOB): 0.8018641

iter = 43 :: Growing trees.. Progress: 44%. Estimated remaining time: 39 seconds.

Growing trees.. Progress: 88%. Estimated remaining time: 8 seconds.

Computing permutation importance.. Progress: 98%. Estimated remaining time: 0 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2487

R squared (OOB): 0.8019331

iter = 44 :: Growing trees.. Progress: 43%. Estimated remaining time: 41 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 7 seconds.

Computing permutation importance.. Progress: 100%. Estimated remaining time: 0 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9683

R squared (OOB): 0.8021133

iter = 45 :: Growing trees.. Progress: 43%. Estimated remaining time: 41 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 7 seconds.

Computing permutation importance.. Progress: 97%. Estimated remaining time: 1 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1324

R squared (OOB): 0.8020078

iter = 46 :: Growing trees.. Progress: 43%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 88%. Estimated remaining time: 8 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0036

R squared (OOB): 0.8020906

iter = 47 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8497

R squared (OOB): 0.8021895

iter = 48 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3395

R squared (OOB): 0.8018748

iter = 49 :: Growing trees.. Progress: 45%. Estimated remaining time: 38 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3534

R squared (OOB): 0.8018659

iter = 50 :: Growing trees.. Progress: 43%. Estimated remaining time: 41 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0251

R squared (OOB): 0.8020768

iter = 51 :: Growing trees.. Progress: 42%. Estimated remaining time: 43 seconds.

Growing trees.. Progress: 84%. Estimated remaining time: 12 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1658

R squared (OOB): 0.8019864

iter = 52 :: Growing trees.. Progress: 44%. Estimated remaining time: 39 seconds.

Growing trees.. Progress: 88%. Estimated remaining time: 8 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1443

R squared (OOB): 0.8020002

iter = 53 :: Growing trees.. Progress: 44%. Estimated remaining time: 39 seconds.

Growing trees.. Progress: 88%. Estimated remaining time: 8 seconds.

Computing permutation importance.. Progress: 97%. Estimated remaining time: 0 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1247

R squared (OOB): 0.8020128

iter = 54 :: Growing trees.. Progress: 43%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 87%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0882

R squared (OOB): 0.8020362

iter = 55 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9047

R squared (OOB): 0.8021542

iter = 56 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1525

R squared (OOB): 0.801995

iter = 57 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8791

R squared (OOB): 0.8021706

iter = 58 :: Growing trees.. Progress: 40%. Estimated remaining time: 45 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 13 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8822

R squared (OOB): 0.8021686

iter = 59 :: Growing trees.. Progress: 43%. Estimated remaining time: 41 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7108

R squared (OOB): 0.8022788

iter = 60 :: Growing trees.. Progress: 44%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 10 seconds.

Computing permutation importance.. Progress: 97%. Estimated remaining time: 0 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2429

R squared (OOB): 0.8019368

iter = 61 :: Growing trees.. Progress: 44%. Estimated remaining time: 39 seconds.

Growing trees.. Progress: 87%. Estimated remaining time: 8 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.5766

R squared (OOB): 0.8017224

iter = 62 :: Growing trees.. Progress: 42%. Estimated remaining time: 43 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1264

R squared (OOB): 0.8020117

iter = 63 :: Growing trees.. Progress: 43%. Estimated remaining time: 41 seconds.

Growing trees.. Progress: 91%. Estimated remaining time: 6 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6642

R squared (OOB): 0.8023087

iter = 64 :: Growing trees.. Progress: 44%. Estimated remaining time: 39 seconds.

Growing trees.. Progress: 90%. Estimated remaining time: 6 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.4437

R squared (OOB): 0.8018078

iter = 65 :: Growing trees.. Progress: 45%. Estimated remaining time: 37 seconds.

Growing trees.. Progress: 90%. Estimated remaining time: 6 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3357

R squared (OOB): 0.8018772

iter = 66 :: Growing trees.. Progress: 45%. Estimated remaining time: 37 seconds.

Growing trees.. Progress: 91%. Estimated remaining time: 6 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.5068

R squared (OOB): 0.8017673

iter = 67 :: Growing trees.. Progress: 44%. Estimated remaining time: 39 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9585

R squared (OOB): 0.8021196

iter = 68 :: Growing trees.. Progress: 43%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 90%. Estimated remaining time: 6 seconds.

Computing permutation importance.. Progress: 99%. Estimated remaining time: 0 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1695

R squared (OOB): 0.801984

iter = 69 :: Growing trees.. Progress: 42%. Estimated remaining time: 42 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3214

R squared (OOB): 0.8018864

iter = 70 :: Growing trees.. Progress: 43%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6253

R squared (OOB): 0.8023337

iter = 71 :: Growing trees.. Progress: 43%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 87%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.239

R squared (OOB): 0.8019394

iter = 72 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0307

R squared (OOB): 0.8020732

iter = 73 :: Growing trees.. Progress: 43%. Estimated remaining time: 41 seconds.

Growing trees.. Progress: 87%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1368

R squared (OOB): 0.8020051

iter = 74 :: Growing trees.. Progress: 44%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.6155

R squared (OOB): 0.8016975

iter = 75 :: Growing trees.. Progress: 45%. Estimated remaining time: 37 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2652

R squared (OOB): 0.8019225

iter = 76 :: Growing trees.. Progress: 44%. Estimated remaining time: 39 seconds.

Growing trees.. Progress: 88%. Estimated remaining time: 8 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.5146

R squared (OOB): 0.8024048

iter = 77 :: Growing trees.. Progress: 43%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8609

R squared (OOB): 0.8021823

iter = 78 :: Growing trees.. Progress: 43%. Estimated remaining time: 41 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.6928

R squared (OOB): 0.8016478

iter = 79 :: Growing trees.. Progress: 42%. Estimated remaining time: 42 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9763

R squared (OOB): 0.8021082

iter = 80 :: Growing trees.. Progress: 44%. Estimated remaining time: 38 seconds.

Growing trees.. Progress: 90%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2059

R squared (OOB): 0.8019606

iter = 81 :: Growing trees.. Progress: 43%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 87%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8744

R squared (OOB): 0.8021736

iter = 82 :: Growing trees.. Progress: 44%. Estimated remaining time: 39 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1731

R squared (OOB): 0.8019817

iter = 83 :: Growing trees.. Progress: 43%. Estimated remaining time: 41 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.4358

R squared (OOB): 0.8018129

iter = 84 :: Growing trees.. Progress: 43%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 88%. Estimated remaining time: 8 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6461

R squared (OOB): 0.8023203

iter = 85 :: Growing trees.. Progress: 45%. Estimated remaining time: 38 seconds.

Growing trees.. Progress: 90%. Estimated remaining time: 6 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.4374

R squared (OOB): 0.8024545

iter = 86 :: Growing trees.. Progress: 43%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0353

R squared (OOB): 0.8020703

iter = 87 :: Growing trees.. Progress: 47%. Estimated remaining time: 35 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0252

R squared (OOB): 0.8020767

iter = 88 :: Growing trees.. Progress: 46%. Estimated remaining time: 35 seconds.

Growing trees.. Progress: 90%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8817

R squared (OOB): 0.8021689

iter = 89 :: Growing trees.. Progress: 47%. Estimated remaining time: 35 seconds.

Growing trees.. Progress: 90%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1113

R squared (OOB): 0.8020214

iter = 90 :: Growing trees.. Progress: 48%. Estimated remaining time: 34 seconds.

Growing trees.. Progress: 91%. Estimated remaining time: 6 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6294

R squared (OOB): 0.802331

iter = 91 :: Growing trees.. Progress: 46%. Estimated remaining time: 36 seconds.

Growing trees.. Progress: 89%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0116

R squared (OOB): 0.8020855

iter = 92 :: Growing trees.. Progress: 53%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2254

R squared (OOB): 0.8019481

iter = 93 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1961

R squared (OOB): 0.8019669

iter = 94 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1732

R squared (OOB): 0.8019816

iter = 95 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0388

R squared (OOB): 0.802068

iter = 96 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.253

R squared (OOB): 0.8025729

iter = 97 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8899

R squared (OOB): 0.8021637

iter = 98 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.4949

R squared (OOB): 0.8017749

iter = 99 :: Growing trees.. Progress: 53%. Estimated remaining time: 27 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8137

R squared (OOB): 0.8022127

iter = 100 :: Growing trees.. Progress: 54%. Estimated remaining time: 26 seconds.

$RMSE

[1] 17.21882

$R2

[1] 1

$MAE

[1] 12.99103

$MAPE

[1] 0.1171466

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = train, num.trees = 2000, mtry = 7, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 19

Mtry: 7

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.4392

R squared (OOB): 0.8018107