Farm(er) RF accuracy results *n* = 1 – 100

iter = 1 :: Growing trees.. Progress: 18%. Estimated remaining time: 2 minutes, 19 seconds.

Growing trees.. Progress: 35%. Estimated remaining time: 1 minute, 57 seconds.

Growing trees.. Progress: 51%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 69%. Estimated remaining time: 56 seconds.

Growing trees.. Progress: 87%. Estimated remaining time: 23 seconds.

Computing permutation importance.. Progress: 65%. Estimated remaining time: 16 seconds.

$RMSE

[1] 17.299

$R2

[1] 1

$MAE

[1] 12.9701

$MAPE

[1] 0.1178112

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.7937

R squared (OOB): 0.8015829

iter = 2 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 4 seconds.

Growing trees.. Progress: 40%. Estimated remaining time: 1 minute, 31 seconds.

Growing trees.. Progress: 60%. Estimated remaining time: 1 minute, 1 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 30 seconds.

Computing permutation importance.. Progress: 74%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.30765

$R2

[1] 1

$MAE

[1] 12.96754

$MAPE

[1] 0.1178103

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7405

R squared (OOB): 0.8022597

iter = 3 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 6 seconds.

Growing trees.. Progress: 40%. Estimated remaining time: 1 minute, 33 seconds.

Growing trees.. Progress: 60%. Estimated remaining time: 1 minute, 1 seconds.

Growing trees.. Progress: 80%. Estimated remaining time: 31 seconds.

Computing permutation importance.. Progress: 73%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.30817

$R2

[1] 1

$MAE

[1] 12.98095

$MAPE

[1] 0.117871

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9757

R squared (OOB): 0.8021085

iter = 4 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 3 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.30958

$R2

[1] 1

$MAE

[1] 12.97334

$MAPE

[1] 0.1178778

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1724

R squared (OOB): 0.8019822

iter = 5 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 4 seconds.

Growing trees.. Progress: 40%. Estimated remaining time: 1 minute, 33 seconds.

Growing trees.. Progress: 60%. Estimated remaining time: 1 minute, 1 seconds.

Growing trees.. Progress: 80%. Estimated remaining time: 30 seconds.

Computing permutation importance.. Progress: 73%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.30156

$R2

[1] 1

$MAE

[1] 12.97026

$MAPE

[1] 0.1178637

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.5691

R squared (OOB): 0.8023698

iter = 6 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 3 seconds.

Growing trees.. Progress: 40%. Estimated remaining time: 1 minute, 33 seconds.

Growing trees.. Progress: 60%. Estimated remaining time: 1 minute, 1 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 29 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.2972

$R2

[1] 1

$MAE

[1] 12.96887

$MAPE

[1] 0.1178222

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.1461

R squared (OOB): 0.8026416

iter = 7 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 3 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 27 seconds.

Growing trees.. Progress: 63%. Estimated remaining time: 55 seconds.

Growing trees.. Progress: 84%. Estimated remaining time: 24 seconds.

Computing permutation importance.. Progress: 79%. Estimated remaining time: 8 seconds.

$RMSE

[1] 17.30579

$R2

[1] 1

$MAE

[1] 12.96933

$MAPE

[1] 0.117804

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8415

R squared (OOB): 0.8021948

iter = 8 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 55 seconds.

Growing trees.. Progress: 42%. Estimated remaining time: 1 minute, 24 seconds.

Growing trees.. Progress: 63%. Estimated remaining time: 53 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 22 seconds.

Computing permutation importance.. Progress: 78%. Estimated remaining time: 8 seconds.

$RMSE

[1] 17.30565

$R2

[1] 1

$MAE

[1] 12.96797

$MAPE

[1] 0.1178056

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8085

R squared (OOB): 0.802216

iter = 9 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 54 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 23 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 52 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 21 seconds.

Computing permutation importance.. Progress: 79%. Estimated remaining time: 8 seconds.

$RMSE

[1] 17.27911

$R2

[1] 1

$MAE

[1] 12.95875

$MAPE

[1] 0.1176652

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.3237

R squared (OOB): 0.8025275

iter = 10 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 55 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 23 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 52 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 21 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.30162

$R2

[1] 1

$MAE

[1] 12.96847

$MAPE

[1] 0.1177982

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0373

R squared (OOB): 0.802069

iter = 11 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 55 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 23 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 52 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 21 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.30607

$R2

[1] 1

$MAE

[1] 12.96367

$MAPE

[1] 0.1178142

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.0654

R squared (OOB): 0.8026935

iter = 12 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 54 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 22 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 51 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 20 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.28815

$R2

[1] 1

$MAE

[1] 12.95628

$MAPE

[1] 0.1176206

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6528

R squared (OOB): 0.802316

iter = 13 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 53 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 22 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 51 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 19 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.29314

$R2

[1] 1

$MAE

[1] 12.95862

$MAPE

[1] 0.1177078

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0232

R squared (OOB): 0.802078

iter = 14 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 54 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 22 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 51 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 20 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.30197

$R2

[1] 1

$MAE

[1] 12.97663

$MAPE

[1] 0.1178417

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6349

R squared (OOB): 0.8023276

iter = 15 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 53 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 22 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 50 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 19 seconds.

Computing permutation importance.. Progress: 81%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.30009

$R2

[1] 1

$MAE

[1] 12.97548

$MAPE

[1] 0.1179079

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6166

R squared (OOB): 0.8023393

iter = 16 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 53 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 22 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 50 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 19 seconds.

Computing permutation importance.. Progress: 81%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.30182

$R2

[1] 1

$MAE

[1] 12.9688

$MAPE

[1] 0.1178772

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6649

R squared (OOB): 0.8023083

iter = 17 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 53 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 21 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 50 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 19 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.28875

$R2

[1] 1

$MAE

[1] 12.95251

$MAPE

[1] 0.1176461

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.387

R squared (OOB): 0.8024868

iter = 18 :: Growing trees.. Progress: 22%. Estimated remaining time: 1 minute, 52 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 21 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 51 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 20 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.30869

$R2

[1] 1

$MAE

[1] 12.97264

$MAPE

[1] 0.1178483

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7392

R squared (OOB): 0.8022605

iter = 19 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 53 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 21 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 50 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 19 seconds.

Computing permutation importance.. Progress: 81%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.29858

$R2

[1] 1

$MAE

[1] 12.96211

$MAPE

[1] 0.1177968

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.489

R squared (OOB): 0.8024213

iter = 20 :: Growing trees.. Progress: 22%. Estimated remaining time: 1 minute, 53 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 21 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 50 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 19 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.2849

$R2

[1] 1

$MAE

[1] 12.95702

$MAPE

[1] 0.1176716

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7524

R squared (OOB): 0.802252

iter = 21 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 54 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 23 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 51 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 21 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.29568

$R2

[1] 1

$MAE

[1] 12.9553

$MAPE

[1] 0.1177841

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9729

R squared (OOB): 0.8021103

iter = 22 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 54 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 22 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 51 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 20 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.29715

$R2

[1] 1

$MAE

[1] 12.96859

$MAPE

[1] 0.1177957

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.5736

R squared (OOB): 0.802367

iter = 23 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 55 seconds.

Growing trees.. Progress: 42%. Estimated remaining time: 1 minute, 24 seconds.

Growing trees.. Progress: 63%. Estimated remaining time: 54 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 22 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.30573

$R2

[1] 1

$MAE

[1] 12.97796

$MAPE

[1] 0.1178901

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.5357

R squared (OOB): 0.8023913

iter = 24 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 53 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 21 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 50 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 19 seconds.

Computing permutation importance.. Progress: 80%. Estimated remaining time: 7 seconds.

$RMSE

[1] 17.30354

$R2

[1] 1

$MAE

[1] 12.97299

$MAPE

[1] 0.1179131

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8367

R squared (OOB): 0.8021979

iter = 25 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 54 seconds.

Growing trees.. Progress: 43%. Estimated remaining time: 1 minute, 22 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 50 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 19 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29626

$R2

[1] 1

$MAE

[1] 12.97162

$MAPE

[1] 0.1178962

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9392

R squared (OOB): 0.802132

iter = 26 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 42 seconds.

Growing trees.. Progress: 33%. Estimated remaining time: 2 minutes, 5 seconds.

Growing trees.. Progress: 50%. Estimated remaining time: 1 minute, 32 seconds.

Growing trees.. Progress: 66%. Estimated remaining time: 1 minute, 4 seconds.

Growing trees.. Progress: 84%. Estimated remaining time: 29 seconds.

Growing trees.. Progress: 99%. Estimated remaining time: 1 seconds.

Computing permutation importance.. Progress: 58%. Estimated remaining time: 22 seconds.

$RMSE

[1] 17.30297

$R2

[1] 1

$MAE

[1] 12.96916

$MAPE

[1] 0.1178566

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.4424

R squared (OOB): 0.8024512

iter = 27 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 37 seconds.

Growing trees.. Progress: 34%. Estimated remaining time: 1 minute, 59 seconds.

Growing trees.. Progress: 52%. Estimated remaining time: 1 minute, 26 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 59%. Estimated remaining time: 21 seconds.

$RMSE

[1] 17.32008

$R2

[1] 1

$MAE

[1] 12.98248

$MAPE

[1] 0.1179316

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.6106

R squared (OOB): 0.8017006

iter = 28 :: Growing trees.. Progress: 17%. Estimated remaining time: 2 minutes, 35 seconds.

Growing trees.. Progress: 34%. Estimated remaining time: 1 minute, 59 seconds.

Growing trees.. Progress: 51%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 83%. Estimated remaining time: 30 seconds.

Computing permutation importance.. Progress: 57%. Estimated remaining time: 23 seconds.

$RMSE

[1] 17.315

$R2

[1] 1

$MAE

[1] 12.98172

$MAPE

[1] 0.1179027

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8277

R squared (OOB): 0.8022036

iter = 29 :: Growing trees.. Progress: 17%. Estimated remaining time: 2 minutes, 32 seconds.

Growing trees.. Progress: 35%. Estimated remaining time: 1 minute, 55 seconds.

Growing trees.. Progress: 51%. Estimated remaining time: 1 minute, 28 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 65%. Estimated remaining time: 16 seconds.

$RMSE

[1] 17.29946

$R2

[1] 1

$MAE

[1] 12.95953

$MAPE

[1] 0.1177511

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7225

R squared (OOB): 0.8022713

iter = 30 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 31 seconds.

Growing trees.. Progress: 60%. Estimated remaining time: 1 minute, 2 seconds.

Growing trees.. Progress: 80%. Estimated remaining time: 30 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.29272

$R2

[1] 1

$MAE

[1] 12.96471

$MAPE

[1] 0.1177982

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7689

R squared (OOB): 0.8022415

iter = 31 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 57 seconds.

Growing trees.. Progress: 42%. Estimated remaining time: 1 minute, 27 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 56 seconds.

Growing trees.. Progress: 83%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 77%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.30854

$R2

[1] 1

$MAE

[1] 12.97251

$MAPE

[1] 0.1178682

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7907

R squared (OOB): 0.8022274

iter = 32 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 3 seconds.

Growing trees.. Progress: 40%. Estimated remaining time: 1 minute, 31 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29238

$R2

[1] 1

$MAE

[1] 12.96499

$MAPE

[1] 0.1177861

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9499

R squared (OOB): 0.8021252

iter = 33 :: Growing trees.. Progress: 15%. Estimated remaining time: 2 minutes, 51 seconds.

Growing trees.. Progress: 31%. Estimated remaining time: 2 minutes, 18 seconds.

Growing trees.. Progress: 46%. Estimated remaining time: 1 minute, 48 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 1 minute, 15 seconds.

Growing trees.. Progress: 78%. Estimated remaining time: 44 seconds.

Growing trees.. Progress: 93%. Estimated remaining time: 14 seconds.

Computing permutation importance.. Progress: 55%. Estimated remaining time: 25 seconds.

$RMSE

[1] 17.30376

$R2

[1] 1

$MAE

[1] 12.97708

$MAPE

[1] 0.1179311

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8139

R squared (OOB): 0.8022125

iter = 34 :: Growing trees.. Progress: 15%. Estimated remaining time: 2 minutes, 50 seconds.

Growing trees.. Progress: 32%. Estimated remaining time: 2 minutes, 13 seconds.

Growing trees.. Progress: 48%. Estimated remaining time: 1 minute, 40 seconds.

Growing trees.. Progress: 63%. Estimated remaining time: 1 minute, 11 seconds.

Growing trees.. Progress: 79%. Estimated remaining time: 40 seconds.

Growing trees.. Progress: 96%. Estimated remaining time: 8 seconds.

Computing permutation importance.. Progress: 62%. Estimated remaining time: 19 seconds.

$RMSE

[1] 17.2939

$R2

[1] 1

$MAE

[1] 12.96367

$MAPE

[1] 0.1178172

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7711

R squared (OOB): 0.80224

iter = 35 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 42 seconds.

Growing trees.. Progress: 32%. Estimated remaining time: 2 minutes, 9 seconds.

Growing trees.. Progress: 50%. Estimated remaining time: 1 minute, 34 seconds.

Growing trees.. Progress: 66%. Estimated remaining time: 1 minute, 2 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 35 seconds.

Growing trees.. Progress: 99%. Estimated remaining time: 1 seconds.

Computing permutation importance.. Progress: 66%. Estimated remaining time: 16 seconds.

$RMSE

[1] 17.30041

$R2

[1] 1

$MAE

[1] 12.97388

$MAPE

[1] 0.1178342

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.905

R squared (OOB): 0.802154

iter = 36 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 38 seconds.

Growing trees.. Progress: 33%. Estimated remaining time: 2 minutes, 6 seconds.

Growing trees.. Progress: 51%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 84%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 60%. Estimated remaining time: 20 seconds.

$RMSE

[1] 17.30247

$R2

[1] 1

$MAE

[1] 12.97006

$MAPE

[1] 0.117767

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6767

R squared (OOB): 0.8023007

iter = 37 :: Growing trees.. Progress: 17%. Estimated remaining time: 2 minutes, 28 seconds.

Growing trees.. Progress: 35%. Estimated remaining time: 1 minute, 54 seconds.

Growing trees.. Progress: 51%. Estimated remaining time: 1 minute, 27 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 24 seconds.

Computing permutation importance.. Progress: 63%. Estimated remaining time: 18 seconds.

$RMSE

[1] 17.30731

$R2

[1] 1

$MAE

[1] 12.96991

$MAPE

[1] 0.1178694

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2451

R squared (OOB): 0.8019354

iter = 38 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 40 seconds.

Growing trees.. Progress: 34%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 50%. Estimated remaining time: 1 minute, 31 seconds.

Growing trees.. Progress: 66%. Estimated remaining time: 1 minute, 3 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 33 seconds.

Growing trees.. Progress: 99%. Estimated remaining time: 1 seconds.

Computing permutation importance.. Progress: 61%. Estimated remaining time: 19 seconds.

$RMSE

[1] 17.28498

$R2

[1] 1

$MAE

[1] 12.95435

$MAPE

[1] 0.1176371

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.5651

R squared (OOB): 0.8023724

iter = 39 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 43 seconds.

Growing trees.. Progress: 33%. Estimated remaining time: 2 minutes, 5 seconds.

Growing trees.. Progress: 49%. Estimated remaining time: 1 minute, 35 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 1 minute, 5 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 37 seconds.

Growing trees.. Progress: 97%. Estimated remaining time: 6 seconds.

Computing permutation importance.. Progress: 58%. Estimated remaining time: 22 seconds.

$RMSE

[1] 17.29922

$R2

[1] 1

$MAE

[1] 12.96623

$MAPE

[1] 0.1177621

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 306.6982

R squared (OOB): 0.8029294

iter = 40 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 40 seconds.

Growing trees.. Progress: 33%. Estimated remaining time: 2 minutes, 6 seconds.

Growing trees.. Progress: 49%. Estimated remaining time: 1 minute, 37 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 1 minute, 7 seconds.

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

Growing trees.. Progress: 97%. Estimated remaining time: 5 seconds.

Computing permutation importance.. Progress: 57%. Estimated remaining time: 23 seconds.

$RMSE

[1] 17.30689

$R2

[1] 1

$MAE

[1] 12.98403

$MAPE

[1] 0.1179672

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3372

R squared (OOB): 0.8018763

iter = 41 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 45 seconds.

Growing trees.. Progress: 32%. Estimated remaining time: 2 minutes, 12 seconds.

Growing trees.. Progress: 48%. Estimated remaining time: 1 minute, 40 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 1 minute, 9 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 36 seconds.

Growing trees.. Progress: 97%. Estimated remaining time: 5 seconds.

Computing permutation importance.. Progress: 59%. Estimated remaining time: 21 seconds.

$RMSE

[1] 17.30025

$R2

[1] 1

$MAE

[1] 12.97397

$MAPE

[1] 0.1178477

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.538

R squared (OOB): 0.8023898

iter = 42 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 44 seconds.

Growing trees.. Progress: 32%. Estimated remaining time: 2 minutes, 12 seconds.

Growing trees.. Progress: 48%. Estimated remaining time: 1 minute, 41 seconds.

Growing trees.. Progress: 64%. Estimated remaining time: 1 minute, 10 seconds.

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

Growing trees.. Progress: 97%. Estimated remaining time: 5 seconds.

Computing permutation importance.. Progress: 58%. Estimated remaining time: 22 seconds.

$RMSE

[1] 17.28773

$R2

[1] 1

$MAE

[1] 12.96255

$MAPE

[1] 0.1177108

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7295

R squared (OOB): 0.8022667

iter = 43 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.30246

$R2

[1] 1

$MAE

[1] 12.96058

$MAPE

[1] 0.1177323

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.312

R squared (OOB): 0.802535

iter = 44 :: Growing trees.. Progress: 17%. Estimated remaining time: 2 minutes, 27 seconds.

Growing trees.. Progress: 34%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 49%. Estimated remaining time: 1 minute, 38 seconds.

Growing trees.. Progress: 65%. Estimated remaining time: 1 minute, 7 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 34 seconds.

Growing trees.. Progress: 99%. Estimated remaining time: 1 seconds.

Computing permutation importance.. Progress: 61%. Estimated remaining time: 19 seconds.

$RMSE

[1] 17.30552

$R2

[1] 1

$MAE

[1] 12.96343

$MAPE

[1] 0.1177648

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2014

R squared (OOB): 0.8019635

iter = 45 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 40 seconds.

Growing trees.. Progress: 34%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 52%. Estimated remaining time: 1 minute, 27 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 85%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 60%. Estimated remaining time: 20 seconds.

$RMSE

[1] 17.32042

$R2

[1] 1

$MAE

[1] 12.98185

$MAPE

[1] 0.117954

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.5988

R squared (OOB): 0.8023508

iter = 46 :: Growing trees.. Progress: 16%. Estimated remaining time: 2 minutes, 38 seconds.

Growing trees.. Progress: 35%. Estimated remaining time: 1 minute, 54 seconds.

Growing trees.. Progress: 51%. Estimated remaining time: 1 minute, 28 seconds.

Growing trees.. Progress: 69%. Estimated remaining time: 55 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 24 seconds.

Computing permutation importance.. Progress: 60%. Estimated remaining time: 20 seconds.

$RMSE

[1] 17.27673

$R2

[1] 1

$MAE

[1] 12.95819

$MAPE

[1] 0.1176954

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.2613

R squared (OOB): 0.8025676

iter = 47 :: Growing trees.. Progress: 17%. Estimated remaining time: 2 minutes, 31 seconds.

Growing trees.. Progress: 35%. Estimated remaining time: 1 minute, 53 seconds.

Growing trees.. Progress: 52%. Estimated remaining time: 1 minute, 26 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 87%. Estimated remaining time: 24 seconds.

Computing permutation importance.. Progress: 68%. Estimated remaining time: 14 seconds.

$RMSE

[1] 17.29577

$R2

[1] 1

$MAE

[1] 12.96538

$MAPE

[1] 0.1177602

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.166

R squared (OOB): 0.8019863

iter = 48 :: Growing trees.. Progress: 17%. Estimated remaining time: 2 minutes, 36 seconds.

Growing trees.. Progress: 34%. Estimated remaining time: 2 minutes, 3 seconds.

Growing trees.. Progress: 50%. Estimated remaining time: 1 minute, 33 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 84%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 59%. Estimated remaining time: 21 seconds.

$RMSE

[1] 17.31293

$R2

[1] 1

$MAE

[1] 12.97954

$MAPE

[1] 0.1180334

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.5928

R squared (OOB): 0.8023546

iter = 49 :: Growing trees.. Progress: 17%. Estimated remaining time: 2 minutes, 35 seconds.

Growing trees.. Progress: 34%. Estimated remaining time: 1 minute, 59 seconds.

Growing trees.. Progress: 52%. Estimated remaining time: 1 minute, 26 seconds.

Growing trees.. Progress: 68%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 86%. Estimated remaining time: 24 seconds.

Computing permutation importance.. Progress: 73%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.30791

$R2

[1] 1

$MAE

[1] 12.96464

$MAPE

[1] 0.1178197

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7453

R squared (OOB): 0.8022566

iter = 50 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 73%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.29438

$R2

[1] 1

$MAE

[1] 12.95598

$MAPE

[1] 0.117738

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2652

R squared (OOB): 0.8019225

iter = 51 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 31 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.30899

$R2

[1] 1

$MAE

[1] 12.98304

$MAPE

[1] 0.1179561

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2039

R squared (OOB): 0.8019619

iter = 52 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.30325

$R2

[1] 1

$MAE

[1] 12.96501

$MAPE

[1] 0.1177875

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7634

R squared (OOB): 0.802245

iter = 53 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 73%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.32094

$R2

[1] 1

$MAE

[1] 12.98856

$MAPE

[1] 0.1179873

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0697

R squared (OOB): 0.8020481

iter = 54 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 74%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29285

$R2

[1] 1

$MAE

[1] 12.97097

$MAPE

[1] 0.1177514

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.43

R squared (OOB): 0.8018167

iter = 55 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.32103

$R2

[1] 1

$MAE

[1] 12.97667

$MAPE

[1] 0.1180132

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2986

R squared (OOB): 0.8019011

iter = 56 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29462

$R2

[1] 1

$MAE

[1] 12.96104

$MAPE

[1] 0.1177379

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1396

R squared (OOB): 0.8020032

iter = 57 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.28378

$R2

[1] 1

$MAE

[1] 12.95535

$MAPE

[1] 0.1176728

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7358

R squared (OOB): 0.8022627

iter = 58 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.31725

$R2

[1] 1

$MAE

[1] 12.97862

$MAPE

[1] 0.1178993

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9248

R squared (OOB): 0.8021413

iter = 59 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 73%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.30574

$R2

[1] 1

$MAE

[1] 12.96882

$MAPE

[1] 0.1178062

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1153

R squared (OOB): 0.8020188

iter = 60 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 59 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 28 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29002

$R2

[1] 1

$MAE

[1] 12.96659

$MAPE

[1] 0.1177897

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6802

R squared (OOB): 0.8022984

iter = 61 :: Growing trees.. Progress: 19%. Estimated remaining time: 2 minutes, 16 seconds.

Growing trees.. Progress: 39%. Estimated remaining time: 1 minute, 37 seconds.

Growing trees.. Progress: 59%. Estimated remaining time: 1 minute, 4 seconds.

Growing trees.. Progress: 79%. Estimated remaining time: 32 seconds.

Growing trees.. Progress: 100%. Estimated remaining time: 0 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29885

$R2

[1] 1

$MAE

[1] 12.96548

$MAPE

[1] 0.1178013

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.5548

R squared (OOB): 0.802379

iter = 62 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.293

$R2

[1] 1

$MAE

[1] 12.96417

$MAPE

[1] 0.1177614

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6841

R squared (OOB): 0.8022959

iter = 63 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.29361

$R2

[1] 1

$MAE

[1] 12.96522

$MAPE

[1] 0.117794

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.95

R squared (OOB): 0.8021251

iter = 64 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 3 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.3142

$R2

[1] 1

$MAE

[1] 12.97507

$MAPE

[1] 0.1179298

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9404

R squared (OOB): 0.8021313

iter = 65 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 74%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.28735

$R2

[1] 1

$MAE

[1] 12.95902

$MAPE

[1] 0.1177888

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.2279

R squared (OOB): 0.8025891

iter = 66 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.30353

$R2

[1] 1

$MAE

[1] 12.97554

$MAPE

[1] 0.1178818

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1904

R squared (OOB): 0.8019706

iter = 67 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.31559

$R2

[1] 1

$MAE

[1] 12.97437

$MAPE

[1] 0.1178958

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9654

R squared (OOB): 0.8021152

iter = 68 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 60%. Estimated remaining time: 1 minute, 2 seconds.

Growing trees.. Progress: 80%. Estimated remaining time: 30 seconds.

Growing trees.. Progress: 93%. Estimated remaining time: 12 seconds.

Computing permutation importance.. Progress: 73%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.31142

$R2

[1] 1

$MAE

[1] 12.97477

$MAPE

[1] 0.1178737

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.5437

R squared (OOB): 0.8023861

iter = 69 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 40%. Estimated remaining time: 1 minute, 31 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 1 minute, 0 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.28765

$R2

[1] 1

$MAE

[1] 12.96154

$MAPE

[1] 0.1177173

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2568

R squared (OOB): 0.801928

iter = 70 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.29673

$R2

[1] 1

$MAE

[1] 12.96086

$MAPE

[1] 0.1177194

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9874

R squared (OOB): 0.802101

iter = 71 :: Growing trees.. Progress: 21%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.31904

$R2

[1] 1

$MAE

[1] 12.9809

$MAPE

[1] 0.117932

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6838

R squared (OOB): 0.8022961

iter = 72 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.30877

$R2

[1] 1

$MAE

[1] 12.97735

$MAPE

[1] 0.1178456

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1636

R squared (OOB): 0.8019878

iter = 73 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.28062

$R2

[1] 1

$MAE

[1] 12.95473

$MAPE

[1] 0.1177235

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6062

R squared (OOB): 0.802346

iter = 74 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.30406

$R2

[1] 1

$MAE

[1] 12.96623

$MAPE

[1] 0.1178421

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7303

R squared (OOB): 0.8022662

iter = 75 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 83%. Estimated remaining time: 25 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.28842

$R2

[1] 1

$MAE

[1] 12.96212

$MAPE

[1] 0.1176767

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.4987

R squared (OOB): 0.802415

iter = 76 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 28 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.31121

$R2

[1] 1

$MAE

[1] 12.97639

$MAPE

[1] 0.1178536

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1788

R squared (OOB): 0.8019781

iter = 77 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.32006

$R2

[1] 1

$MAE

[1] 12.98376

$MAPE

[1] 0.1179651

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2286

R squared (OOB): 0.8019461

iter = 78 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 5 seconds.

Growing trees.. Progress: 40%. Estimated remaining time: 1 minute, 34 seconds.

Growing trees.. Progress: 60%. Estimated remaining time: 1 minute, 2 seconds.

Growing trees.. Progress: 80%. Estimated remaining time: 30 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29474

$R2

[1] 1

$MAE

[1] 12.96649

$MAPE

[1] 0.1177746

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0636

R squared (OOB): 0.802052

iter = 79 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 73%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.3187

$R2

[1] 1

$MAE

[1] 12.97023

$MAPE

[1] 0.1178802

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.2008

R squared (OOB): 0.8019639

iter = 80 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 4 seconds.

Growing trees.. Progress: 40%. Estimated remaining time: 1 minute, 32 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 1 minute, 0 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 29 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.29767

$R2

[1] 1

$MAE

[1] 12.9628

$MAPE

[1] 0.117783

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.718

R squared (OOB): 0.8022741

iter = 81 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.32265

$R2

[1] 1

$MAE

[1] 12.98062

$MAPE

[1] 0.1179683

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1697

R squared (OOB): 0.8019839

iter = 82 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 83%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.28683

$R2

[1] 1

$MAE

[1] 12.96202

$MAPE

[1] 0.1177058

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.108

R squared (OOB): 0.8020236

iter = 83 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.31347

$R2

[1] 1

$MAE

[1] 12.98136

$MAPE

[1] 0.1179334

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.5975

R squared (OOB): 0.8023515

iter = 84 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 59 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 28 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29743

$R2

[1] 1

$MAE

[1] 12.96967

$MAPE

[1] 0.1178431

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8581

R squared (OOB): 0.8021841

iter = 85 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.30121

$R2

[1] 1

$MAE

[1] 12.97011

$MAPE

[1] 0.1178302

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.4965

R squared (OOB): 0.8024164

iter = 86 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.31374

$R2

[1] 1

$MAE

[1] 12.98667

$MAPE

[1] 0.1179912

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9794

R squared (OOB): 0.8021062

iter = 87 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29338

$R2

[1] 1

$MAE

[1] 12.9629

$MAPE

[1] 0.1177683

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0421

R squared (OOB): 0.8020659

iter = 88 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29755

$R2

[1] 1

$MAE

[1] 12.96625

$MAPE

[1] 0.1178244

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6926

R squared (OOB): 0.8022905

iter = 89 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.3115

$R2

[1] 1

$MAE

[1] 12.9758

$MAPE

[1] 0.1179679

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8604

R squared (OOB): 0.8021826

iter = 90 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 4 seconds.

Growing trees.. Progress: 40%. Estimated remaining time: 1 minute, 31 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 81%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 74%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.31415

$R2

[1] 1

$MAE

[1] 12.97257

$MAPE

[1] 0.1178926

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.7768

R squared (OOB): 0.8022364

iter = 91 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.28605

$R2

[1] 1

$MAE

[1] 12.95957

$MAPE

[1] 0.1177377

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8427

R squared (OOB): 0.802194

iter = 92 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 3 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 59 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 73%. Estimated remaining time: 11 seconds.

$RMSE

[1] 17.30397

$R2

[1] 1

$MAE

[1] 12.97755

$MAPE

[1] 0.1179143

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6733

R squared (OOB): 0.8023029

iter = 93 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 28 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29072

$R2

[1] 1

$MAE

[1] 12.96344

$MAPE

[1] 0.1176846

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8141

R squared (OOB): 0.8022124

iter = 94 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 1 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 72%. Estimated remaining time: 12 seconds.

$RMSE

[1] 17.29556

$R2

[1] 1

$MAE

[1] 12.97287

$MAPE

[1] 0.117858

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.3417

R squared (OOB): 0.8018734

iter = 95 :: Growing trees.. Progress: 21%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 28 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 28 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.31101

$R2

[1] 1

$MAE

[1] 12.97131

$MAPE

[1] 0.1178634

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.9172

R squared (OOB): 0.8021462

iter = 96 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.28885

$R2

[1] 1

$MAE

[1] 12.95964

$MAPE

[1] 0.1176948

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.1922

R squared (OOB): 0.8019694

iter = 97 :: Growing trees.. Progress: 21%. Estimated remaining time: 1 minute, 59 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 28 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 57 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 75%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.29217

$R2

[1] 1

$MAE

[1] 12.96972

$MAPE

[1] 0.1176623

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.6669

R squared (OOB): 0.802307

iter = 98 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 0 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 74%. Estimated remaining time: 10 seconds.

$RMSE

[1] 17.30859

$R2

[1] 1

$MAE

[1] 12.97763

$MAPE

[1] 0.1178102

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.4138

R squared (OOB): 0.8018271

iter = 99 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 29 seconds.

Growing trees.. Progress: 62%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 26 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.29964

$R2

[1] 1

$MAE

[1] 12.96212

$MAPE

[1] 0.1177756

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 308.0302

R squared (OOB): 0.8020735

iter = 100 :: Growing trees.. Progress: 20%. Estimated remaining time: 2 minutes, 2 seconds.

Growing trees.. Progress: 41%. Estimated remaining time: 1 minute, 30 seconds.

Growing trees.. Progress: 61%. Estimated remaining time: 58 seconds.

Growing trees.. Progress: 82%. Estimated remaining time: 27 seconds.

Computing permutation importance.. Progress: 76%. Estimated remaining time: 9 seconds.

$RMSE

[1] 17.31125

$R2

[1] 1

$MAE

[1] 12.96968

$MAPE

[1] 0.1179502

$var\_exp

Ranger result

Call:

ranger(formula = YIELD ~ ., data = farmer\_train, num.trees = 2000, mtry = 19, min.node.size = 4, sample.fraction = 0.8, importance = "permutation")

Type: Regression

Number of trees: 2000

Sample size: 12737

Number of independent variables: 30

Mtry: 19

Target node size: 4

Variable importance mode: permutation

Splitrule: variance

OOB prediction error (MSE): 307.8958

R squared (OOB): 0.8021599