JADBio Description of Performed Analysis

Setup

JADBio version **1.4.118** ran on dataset **Airline Dataset** with **98619** samples and **5** features to create a predictive model for outcome named **Passenger ID**. The outcome was continuous leading to a **regression** modeling.

The preferences of the analysis were set to **true** for feature selection and **false** for full feature models tried.
The **R2** metric was used to optimize for the best model.
The maximum number of features to select was set to **25**.
The effort to spend on tuning the algorithms were set to **Normal**.
The number of CPU cores to use for the analysis was set to **5**.
The execution time was **00:56:41**.

Configuration Space

JADBio's AI decide to try the following algorithms and tuning hyper-parameter values:

Algorithm Type	Algorithm	Hyper-parameter	Set of Values
Preprocessing	Mean Imputation		
	Mode Imputation		
	Constant Removal		
	Variable Normalization		
Feature Selection	Test-Budgeted Statistically Equivalent Signature (SES)	alpha	0.01, 0.05
		maxK	2.0, 3.0
	Epilogi	equivalenceThreshold	0.01
		stoppingCriterion	Independence Test
		stoppingThreshold	0.001, 0.01
	LASSO	penalty	1.0, 0.5, 1.5
Modeling	Regression Random Forest with Mean Squared Error splitting criterion	nTrees	500, 100
		minLeafSize	7.0
	Ridge Linear Regression	lambda	1.0, 10.0, 0.1
	Regression Decision Tree with Mean Squared Error splitting criterion	alpha	0.05, 0.01
		minLeafSize	7, 5, 3

Leading to **154** combinations and corresponding configurations (machine learning pipelines) to try. For the full configurations tested see the Appendix.

Configuration Estimation Protocol

JADBio's AI system decided to estimate the out-of-sample performance of the models produced by each configuration using **90.00 % - % 10.00 hold-out.** Overall, 154 models were set out to train.

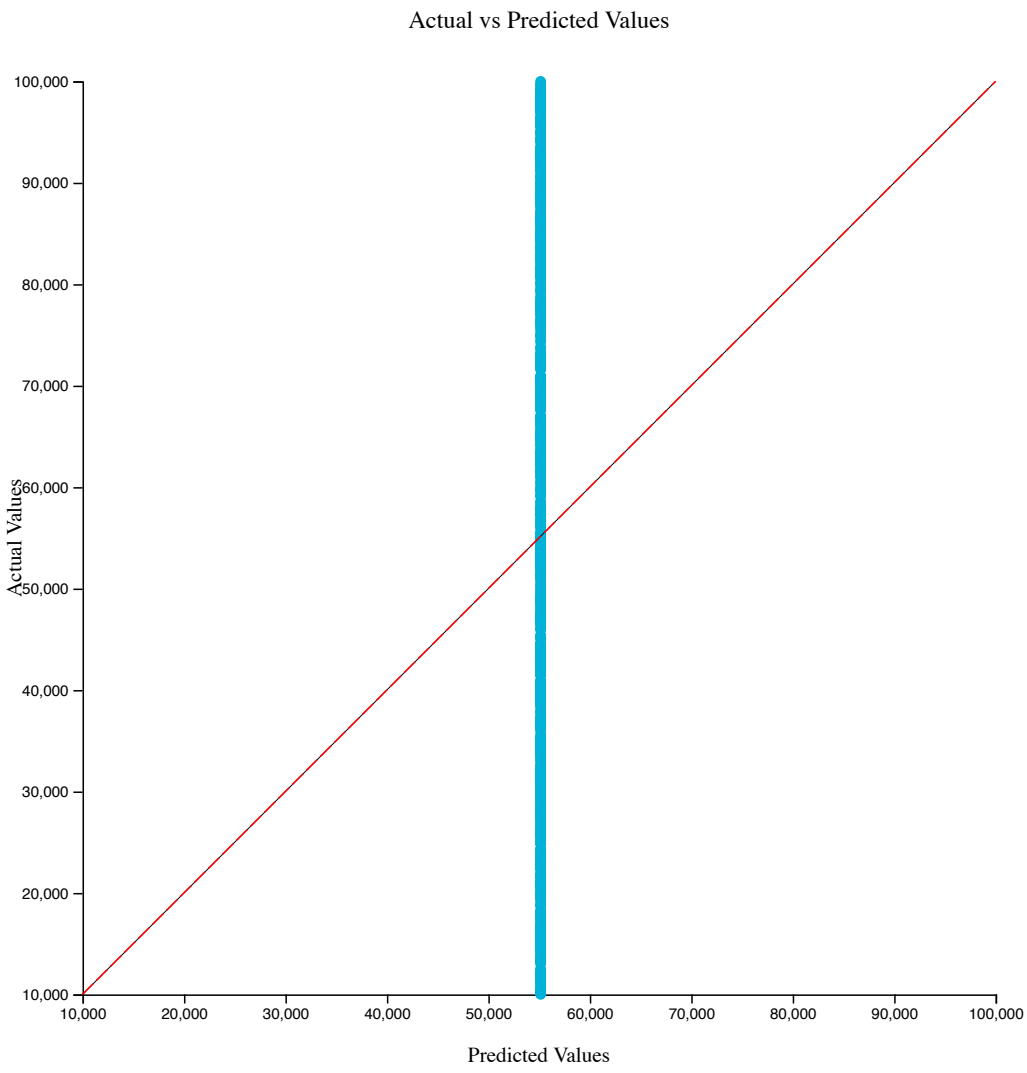
JADBio Results Summary

Overview

A result summary is presented for analysis optimized for Performance. The model is produced by applying the algorithms in sequence (configuration) on the training data:

Preprocessing	Feature Selection	Predictive algorithm
IdentityFactory	FullSelector	Trivial model

The R-squared is shown in the figure below:



Metric	Mean estimate	CI
R-squared	-0.000	[-0.000, 0.000]
Mean Absolute Error	22681.679	[22360.614, 23028.286]
Mean Squared Error	681719233.492	[666673230.158, 697930367.068]
Relative Absolute Error	1.000	[1.000, 1.001]

Metric	Mean estimate	CI
Relative Squared Error	1.000	[1.000, 1.001]

Feature Selection

Jadbio selected **all** features in the original dataset for the reference signature. Note that **null** features that were found constant are excluded.

Appendix

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
1	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.010	false
2	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Ridge Linear Regression	lambda = 1.0	-5.995204332975845e-15	00:00:00.010	false
3	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.05	-5.995204332975845e-15	00:00:00.007	false
4	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.056	false
5	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.007	false
6	Mean Imputation, Mode	LASSO	penalty = 1.0	Regression Random	ntrees = 100, minimum leaf	-5.995204332975845e-15	00:00:03.3603	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
	Imputation, Constant Removal, Standardization			Forest with Mean Squared Error splitting criterion	size = 7			
7	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.05	-5.995204332975845e-15	00:00:03.3603	false
8	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.01	-5.995204332975845e-15	00:00:00.095	false
9	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.095	false
10	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.019	false
11	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.05	-5.995204332975845e-15	00:00:03.3603	false
12	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.020	false
13	Mean Imputation, Mode	Test-Budgeted	maxK = 3, alpha = 0.01, budget =	Regression Random	ntrees = 100, minimum leaf	-5.995204332975845e-15	00:00:00.007	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
	Imputation, Constant Removal, Standardization	Statistically Equivalent Signature (SES)	3 * nvars	Forest with Mean Squared Error splitting criterion	size = 7			
14	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
15	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.010	false
16	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.05	-5.995204332975845e-15	00:00:00.000	false
17	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Ridge Linear Regression	lambda = 10.0	-5.995204332975845e-15	00:00:00.056	false
18	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.05	-5.995204332975845e-15	00:00:00.000	false
19	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.01	-5.995204332975845e-15	00:00:00.000	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
20	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.01	-5.995204332975845e-15	00:00:00.018	false
21	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.010	false
22	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.010	false
23	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.05	-5.995204332975845e-15	00:00:00.000	false
24	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.007	false
25	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Ridge Linear Regression	lambda = 0.1	-5.995204332975845e-15	00:00:00.095	false
26	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
27	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
28	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.05	-5.995204332975845e-15	00:00:00.189	false
29	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
30	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.01	-5.995204332975845e-15	00:00:00.000	false
31	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.05	-5.995204332975845e-15	00:00:00.000	false
32	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.190	false
33	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Ridge Linear Regression	lambda = 0.1	-5.995204332975845e-15	00:00:00.010	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
34	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.01	-5.995204332975845e-15	00:00:00.018	false
35	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.01	-5.995204332975845e-15	00:00:00.095	false
36	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:03.3603	false
37	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.01	-5.995204332975845e-15	00:00:03.3603	false
38	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Ridge Linear Regression	lambda = 0.1	-5.995204332975845e-15	00:00:00.019	false
39	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.01	-5.995204332975845e-15	00:00:00.007	false
40	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.056	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
41	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.01	-5.995204332975845e-15	00:00:00.000	false
42	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.056	false
43	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.01	-5.995204332975845e-15	00:00:00.056	false
44	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.095	false
45	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Ridge Linear Regression	lambda = 10.0	-5.995204332975845e-15	00:00:00.007	false
46	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.05	-5.995204332975845e-15	00:00:00.000	false
47	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Ridge Linear Regression	lambda = 1.0	-5.995204332975845e-15	00:00:00.095	false

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48	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.05	-5.995204332975845e-15	00:00:00.189	false
49	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.018	false
50	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.056	false
51	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.05	-5.995204332975845e-15	00:00:00.007	false
52	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.05	-5.995204332975845e-15	00:00:00.095	false
53	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Ridge Linear Regression	lambda = 10.0	-5.995204332975845e-15	00:00:00.189	false
54	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.189	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
55	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.01	-5.995204332975845e-15	00:00:00.007	false
56	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.01	-5.995204332975845e-15	00:00:03.3603	false
57	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Ridge Linear Regression	lambda = 1.0	-5.995204332975845e-15	00:00:00.056	false
58	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Ridge Linear Regression	lambda = 10.0	-5.995204332975845e-15	00:00:00.095	false
59	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.05	-5.995204332975845e-15	00:00:00.007	false
60	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Ridge Linear Regression	lambda = 1.0	-5.995204332975845e-15	00:00:00.190	false
61	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.05	-5.995204332975845e-15	00:00:03.3603	false
62	Mean Imputation, Mode	Test-Budgeted	maxK = 2, alpha = 0.05, budget =	Regression Random	ntrees = 500, minimum leaf	-5.995204332975845e-15	00:00:00.190	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
	Imputation, Constant Removal, Standardization	Statistically Equivalent Signature (SES)	3 * nvars	Forest with Mean Squared Error splitting criterion	size = 7			
63	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.056	false
64	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.190	false
65	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.190	false
66	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.01	-5.995204332975845e-15	00:00:00.000	false
67	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.007	false
68	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.095	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
69	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.05	-5.995204332975845e-15	00:00:00.000	false
70	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.095	false
71	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
72	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.056	false
73	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.056	false
74	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.018	false
75	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.007	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
				splitting criterion				
76	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.010	false
77	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Ridge Linear Regression	lambda = 1.0	-5.995204332975845e-15	00:00:03.3603	false
78	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.05	-5.995204332975845e-15	00:00:00.010	false
79	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Ridge Linear Regression	lambda = 0.1	-5.995204332975845e-15	00:00:00.000	false
80	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.190	false
81	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.01	-5.995204332975845e-15	00:00:00.007	false
82	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Random Forest with Mean Squared Error	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.095	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
				splitting criterion				
83	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.095	false
84	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:03.3603	false
85	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
86	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.05	-5.995204332975845e-15	00:00:00.095	false
87	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.01	-5.995204332975845e-15	00:00:00.189	false
88	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.020	false
89	Mean Imputation, Mode Imputation, Constant	Test-Budgeted Statistically Equivalent	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean	minimum leaf size = 7, alpha = 0.05	-5.995204332975845e-15	00:00:00.018	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
	Removal, Standardization	Signature (SES)		Squared Error splitting criterion				
90	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
91	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Ridge Linear Regression	lambda = 0.1	-5.995204332975845e-15	00:00:00.007	false
92	IdentityFactory	FullSelector	-	Trivial model	-	-5.995204332975845e-15	00:00:00.000	false
93	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Ridge Linear Regression	lambda = 0.1	-5.995204332975845e-15	00:00:03.3603	false
94	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.01	-5.995204332975845e-15	00:00:00.056	false
95	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.05	-5.995204332975845e-15	00:00:00.056	false
96	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Ridge Linear Regression	lambda = 0.1	-5.995204332975845e-15	00:00:00.190	false
97	Mean Imputation, Mode Imputation, Constant	LASSO	penalty = 1.5	Ridge Linear Regression	lambda = 1.0	-5.995204332975845e-15	00:00:00.000	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
	Removal, Standardization							
98	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.007	false
99	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Ridge Linear Regression	lambda = 0.1	-5.995204332975845e-15	00:00:00.000	false
100	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.01	-5.995204332975845e-15	00:00:00.010	false
101	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.05	-5.995204332975845e-15	00:00:00.010	false
102	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.05	-5.995204332975845e-15	00:00:00.056	false
103	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.01	-5.995204332975845e-15	00:00:00.000	false
104	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping	Regression Decision Tree with Mean Squared Error	minimum leaf size = 5, alpha = 0.01	-5.995204332975845e-15	00:00:00.056	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
			threshold = 0.001	splitting criterion				
105	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Ridge Linear Regression	lambda = 1.0	-5.995204332975845e-15	00:00:00.007	false
106	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
107	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.189	false
108	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:03.3603	false
109	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.007	false
110	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.05	-5.995204332975845e-15	00:00:00.095	false
111	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.095	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
112	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.007	false
113	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.01	-5.995204332975845e-15	00:00:00.189	false
114	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
115	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Ridge Linear Regression	lambda = 10.0	-5.995204332975845e-15	00:00:00.000	false
116	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
117	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.01	-5.995204332975845e-15	00:00:00.010	false
118	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
119	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.020	false
120	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Ridge Linear Regression	lambda = 1.0	-5.995204332975845e-15	00:00:00.019	false
121	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.01	-5.995204332975845e-15	00:00:00.000	false
122	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.05	-5.995204332975845e-15	00:00:00.056	false
123	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 5, alpha = 0.05	-5.995204332975845e-15	00:00:00.018	false
124	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Ridge Linear Regression	lambda = 10.0	-5.995204332975845e-15	00:00:03.3603	false
125	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.019	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
126	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.01	-5.995204332975845e-15	00:00:03.3603	false
127	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.018	false
128	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Ridge Linear Regression	lambda = 0.1	-5.995204332975845e-15	00:00:00.056	false
129	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.01	-5.995204332975845e-15	00:00:00.189	false
130	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:03.3603	false
131	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.010	false
132	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Decision Tree with Mean Squared Error	minimum leaf size = 7, alpha = 0.01	-5.995204332975845e-15	00:00:00.095	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
				splitting criterion				
133	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.010	false
134	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:03.3603	false
135	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.001	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.056	false
136	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.01	-5.995204332975845e-15	00:00:00.010	false
137	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Ridge Linear Regression	lambda = 10.0	-5.995204332975845e-15	00:00:00.000	false
138	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
139	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Random Forest with Mean Squared Error	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false

Configuration	Preprocessing	Name	Hyperparams	splitting criterion	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
140	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.189	false
141	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
142	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
143	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 7, alpha = 0.05	-5.995204332975845e-15	00:00:00.189	false
144	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.01	-5.995204332975845e-15	00:00:00.020	false
145	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.05	-5.995204332975845e-15	00:00:00.019	false
146	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Ridge Linear Regression	lambda = 10.0	-5.995204332975845e-15	00:00:00.010	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
147	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Ridge Linear Regression	lambda = 1.0	-5.995204332975845e-15	00:00:00.000	false
148	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.010	false
149	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:03.3603	false
150	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 1.0	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:03.3603	false
151	Mean Imputation, Mode Imputation, Constant Removal, Standardization	LASSO	penalty = 0.5	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 500, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.000	false
152	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Epilogi	equivThresh = 0.01, stopping criterion = Independence Test, stopping threshold = 0.01	Regression Random Forest with Mean Squared Error splitting criterion	ntrees = 100, minimum leaf size = 7	-5.995204332975845e-15	00:00:00.095	false
153	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 2, alpha = 0.01, budget = 3 * nvars	Regression Decision Tree with Mean Squared Error splitting criterion	minimum leaf size = 3, alpha = 0.05	-5.995204332975845e-15	00:00:00.010	false

Configuration	Preprocessing	Name	Hyperparams	Name	Hyperparams	Performance (unadjusted)	Time (miliseconds)	Dropped
154	Mean Imputation, Mode Imputation, Constant Removal, Standardization	Test-Budgeted Statistically Equivalent Signature (SES)	maxK = 3, alpha = 0.05, budget = 3 * nvars	Ridge Linear Regression	lambda = 10.0	-5.995204332975845e-15	00:00:00.019	false