Repository

Import Data

- Training Resources (connected)
- Samples
- Community Samples (connected)
- Local Repository (Local)
- DB (Legacy)

Operators

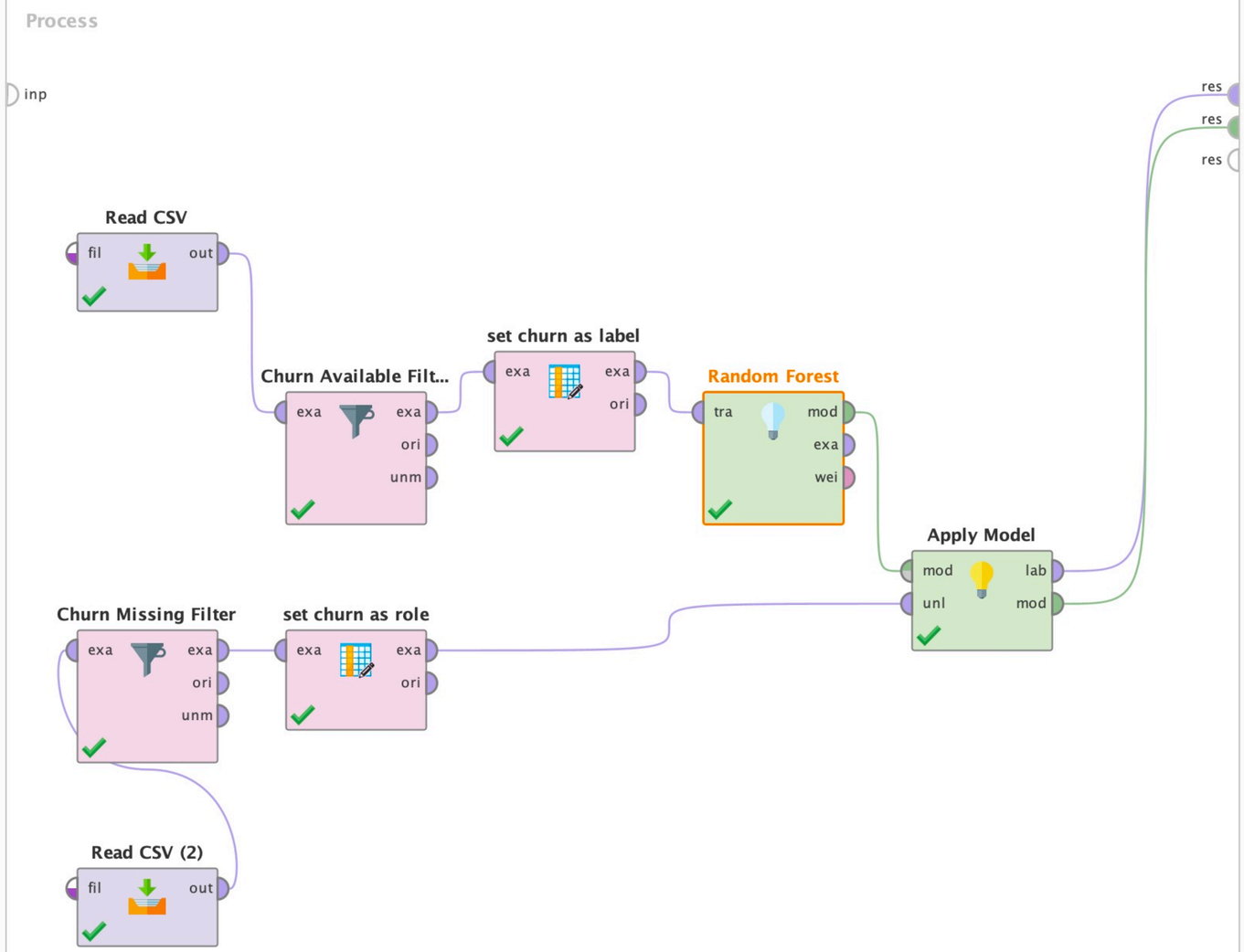
randomfor

- Modeling (1)
  - Predictive (1)
    - Trees (1)
      - Random Forest

No results were found.

Process

Process



Leverage the Wisdom of Crowds to get operator recommendations based on your process design!

Activate Wisdom of Crowds

Parameters

Random Forest

number of trees	10
criterion	gain_ratio
maximal depth	5
apply pruning	☐
apply prepruning	☐
guess subset ratio	☑
voting strategy	confidence vote

Show advanced parameters

Change compatibility (10.4.000)

Help

Random Forest

Concurrency

Tags: Supervised, Classification, Regression, Model, Ensembles, Decision, Trees, Extremely Randomized Trees, Extra-Trees, Breiman, Bagging

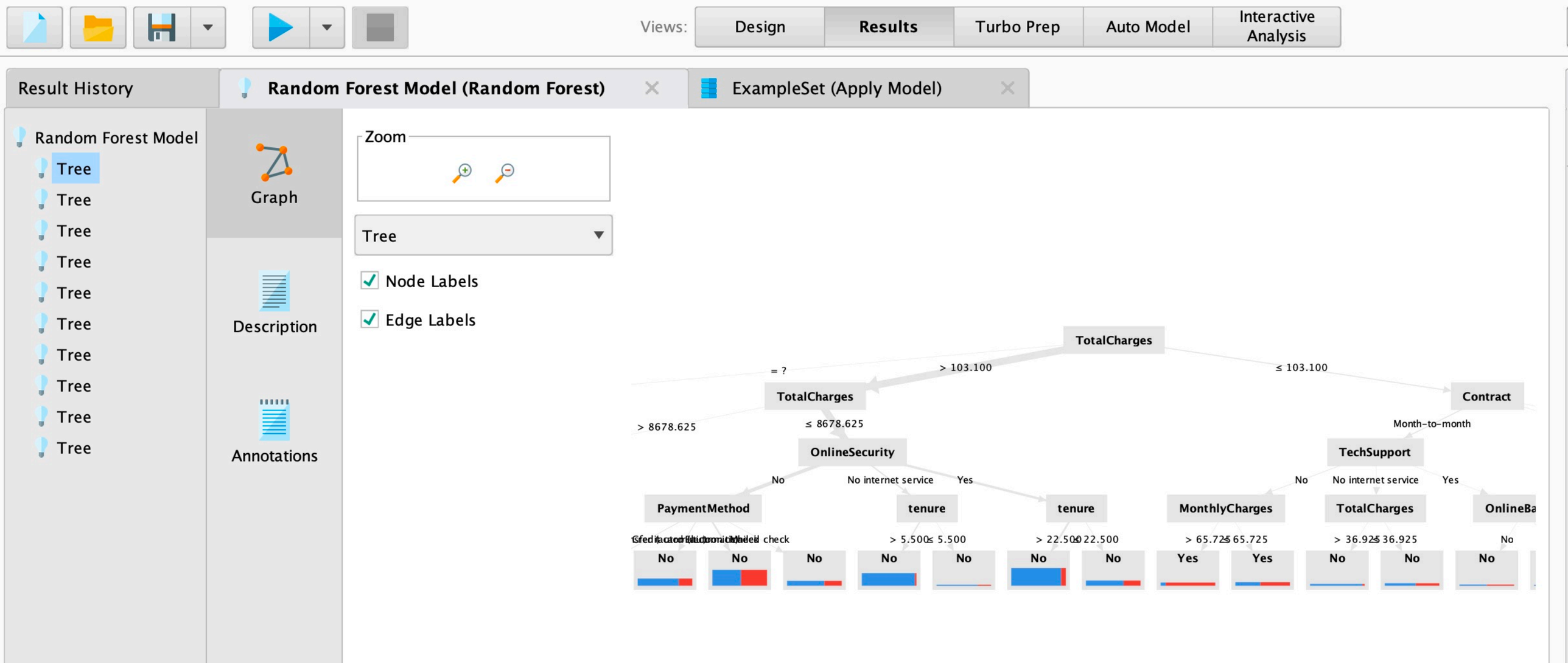
Synopsis

This Operator generates a random forest model, which can be used for classification and regression.

Jump to Tutorial Process

Description

A random forest is an ensemble of a certain number of random


Views:
Design
Results
Turbo Prep
Auto Model
Interactive Analysis
Result History
Random Forest Model (Random Forest)
ExampleSet (Apply Model)
Random Forest Model
Tree
Tree
Tree
Tree
Tree
Tree
Tree
Tree
Tree
Tree
Graph
Description
Annotations
Zoom
Tree
Node Labels
Edge Labels
TotalCharges
= ?
> 103.100
≤ 103.100
TotalCharges
Contract
> 8678.625
≤ 8678.625
Month-to-month
OnlineSecurity
TechSupport
No
No internet service
Yes
No
No internet service
Yes
PaymentMethod
tenure
tenure
MonthlyCharges
TotalCharges
OnlineBa
> 5.500
≤ 5.500
> 22.500
≤ 22.500
> 65.725
≤ 65.725
> 36.925
≤ 36.925
No
No
No
No
No
No
No
Yes
Yes
No
No
No

Views: Design | Results | Turbo Prep | Auto Model | Interactive Analysis

Result History

Random Forest Model (Random Forest)

ExampleSet (Apply Model)

- Random Forest Model
  - Tree
  - Tree
  - Tree
  - Tree
  - Tree
  - Tree
  - Tree
  - Tree
  - Tree
  - Tree
  - Tree

Graph

Description

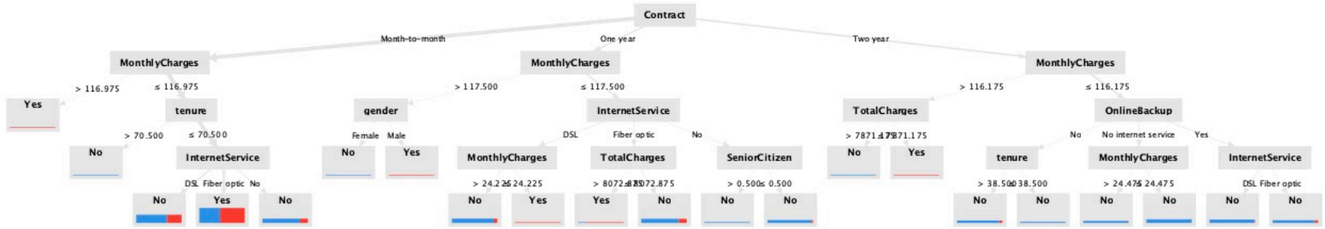
Annotations

Zoom

Tree

Node Labels

Edge Labels



Result History | Random Forest Model (Random Forest) | **ExampleSet (Apply Model)**

Data | Statistics | Visualizations | Annotations

Open in Turbo Prep | Auto Model | Interactive Analysis

Filter (64 / 64 examples): all

Row No.	Churn	prediction(...	confidence(...	confidence(...	customerID	gender	SeniorCitiz...	Partner	Dependents	tenure
1	?	No	0.702	0.298	5630-AHZIL	Female	0	No	Yes	3
2	?	No	0.808	0.192	2673-CXQEU	Female	1	No	No	56
3	?	No	0.785	0.215	6416-JNVRK	Female	0	No	No	46
4	?	No	0.670	0.330	5590-ZSKRV	Female	0	Yes	Yes	8
5	?	No	0.659	0.341	0191-ZHSKZ	Male	1	No	No	30
6	?	No	0.979	0.021	3887-PBQAO	Female	0	Yes	Yes	45
7	?	Yes	0.329	0.671	5919-TMRGD	Female	0	No	Yes	1
8	?	No	0.623	0.377	8108-UXRQN	Female	0	Yes	Yes	11
9	?	No	0.543	0.457	9191-MYQKX	Female	0	Yes	No	7
10	?	No	0.590	0.410	9919-YLNNG	Female	0	No	No	42
11	?	No	0.978	0.022	0318-ZOPWS	Female	0	Yes	No	49
12	?	No	0.526	0.474	4445-ZJNMU	Male	0	No	No	9
13	?	No	0.824	0.176	4808-YNLEU	Female	0	Yes	No	35
14	?	No	0.980	0.020	1862-QRWPE	Female	0	Yes	Yes	48
15	?	No	0.980	0.020	2796-NNUFI	Female	0	Yes	Yes	46
16	?	No	0.680	0.320	3016-KSVCP	Male	0	Yes	No	29
17	?	No	0.584	0.416	4767-HZZHQ	Male	0	Yes	Yes	30
18	?	No	0.546	0.454	2424-WVHPL	Male	1	No	No	1
19	?	No	0.621	0.379	3580-REOAC	Male	0	No	No	10
20	?	No	0.527	0.473	7534-BFESC	Male	1	No	No	24
21	?	No	0.875	0.125	3727-OWVYD	Male	0	No	No	35
22	?	No	0.789	0.211	2294-SALNE	Male	0	Yes	Yes	23
23	?	Yes	0.489	0.511	4847-TAJYI	Female	1	No	No	6

ExampleSet (64 examples,4 special attributes,20 regular attributes)

Result History | Random Forest Model (Random Forest) | ExampleSet (Apply Model)

Data | Statistics | Visualizations | Annotations

Open in Turbo Prep | Auto Model | Interactive Analysis

Filter (64 / 64 examples): all

Row No.	Churn	prediction(...	confidence(...	confidence(...	customerID	gender	SeniorCitiz...	Partner	Dependents	tenure
24	?	No	0.851	0.149	1563-IWQEX	Female	0	No	No	12
25	?	No	0.710	0.290	8203-XJZRC	Male	0	No	No	1
26	?	No	0.858	0.142	6556-DBKZF	Female	0	Yes	Yes	71
27	?	No	0.558	0.442	6851-WEFYX	Male	1	Yes	No	35
28	?	No	0.696	0.304	2985-JUUBZ	Male	0	Yes	Yes	40
29	?	Yes	0.457	0.543	6390-DSAZX	Female	0	No	Yes	1
30	?	No	0.791	0.209	0895-LMRSF	Male	0	No	No	23
31	?	Yes	0.491	0.509	8098-LLAZX	Female	1	No	No	4
32	?	No	0.520	0.480	8266-VBFQL	Male	0	No	No	4
33	?	No	0.950	0.050	8181-YHCMF	Female	0	Yes	Yes	68
34	?	No	0.585	0.415	2240-HSJQD	Male	0	No	Yes	38
35	?	No	0.978	0.022	1248-DYXUB	Male	0	Yes	Yes	52
36	?	No	0.527	0.473	0265-EDXBD	Male	1	Yes	No	32
37	?	No	0.682	0.318	2055-SIFSS	Female	1	Yes	No	55
38	?	No	0.744	0.256	2806-MLNTI	Male	1	Yes	No	52
39	?	No	0.506	0.494	8734-DKSTZ	Female	0	Yes	Yes	10
40	?	No	0.548	0.452	4360-PNRQB	Male	0	No	No	18
41	?	No	0.887	0.113	6152-ONASV	Female	0	Yes	No	68
42	?	No	0.916	0.084	9063-ZGTUY	Female	0	Yes	Yes	61
43	?	No	0.965	0.035	7781-HVGMK	Female	0	Yes	Yes	72
44	?	No	0.534	0.466	2181-UAESM	Male	0	No	No	2
45	?	No	0.626	0.374	2957-LOLHO	Male	0	No	No	12
46	?	No	0.978	0.022	6048-NJXHX	Male	0	Yes	No	41

ExampleSet (64 examples,4 special attributes,20 regular attributes)

Data | Statistics | Visualizations | Annotations

Open in Turbo Prep | Auto Model | Interactive Analysis

Filter (64 / 64 examples): all

Row No.	Churn	prediction(...	confidence(...	confidence(...	customerID	gender	SeniorCitiz...	Partner	Dependents	tenure
42	?	No	0.916	0.084	9063-ZGTUY	Female	0	Yes	Yes	61
43	?	No	0.965	0.035	7781-HVGMK	Female	0	Yes	Yes	72
44	?	No	0.534	0.466	2181-UAESM	Male	0	No	No	2
45	?	No	0.626	0.374	2957-LOLHO	Male	0	No	No	12
46	?	No	0.978	0.022	6048-NJXHX	Male	0	Yes	No	41
47	?	No	0.724	0.276	2320-SLKMB	Female	0	No	No	26
48	?	No	0.965	0.035	4980-URKXC	Male	0	Yes	No	36
49	?	No	0.906	0.094	4376-KFVRS	Male	0	Yes	Yes	72
50	?	No	0.592	0.408	5886-VLQVU	Male	0	Yes	No	35
51	?	No	0.573	0.427	3577-AMVUX	Male	0	No	No	1
52	?	No	0.568	0.432	0771-WLCLA	Female	0	Yes	Yes	16
53	?	No	0.594	0.406	5628-RKIFK	Female	1	No	No	49
54	?	No	0.795	0.205	0206-TBWLC	Female	0	Yes	No	54
55	?	No	0.676	0.324	2937-FTHUR	Female	0	No	Yes	18
56	?	No	0.511	0.489	1910-FMXJM	Female	0	Yes	No	36
57	?	No	0.592	0.408	7752-XUSCI	Female	0	No	No	60
58	?	Yes	0.383	0.617	4110-PFEUZ	Female	0	No	No	1
59	?	No	0.853	0.147	3957-HHLMR	Female	0	Yes	Yes	70
60	?	No	0.680	0.320	7803-XOCCZ	Female	0	Yes	Yes	52
61	?	No	0.940	0.060	5736-YEJAX	Male	0	No	Yes	69
62	?	No	0.570	0.430	5609-CEBID	Female	1	No	No	20
63	?	No	0.549	0.451	8981-FJGLA	Male	0	No	Yes	11
64	?	No	0.525	0.475	7218-HKQFK	Male	0	Yes	No	2

ExampleSet (64 examples,4 special attributes,20 regular attributes)