

Repository

Import Data

Training Resources (connected)

Samples

Community Samples (connected)

Local Repository (Local)

DB (Legacy)

Operators

model

Weight by Component Model

Time Series (2)

Forecasting (2)

Apply Forecast

Multi Horizon Forecast

Scoring (2)

Apply Model

Model Simulator

Validation (1)

Visual (1)

Visualize Model by SOM

We found "Model Visualization Extension", "LifeStyle Marketing" and 5 more results in the Marketplace.

Show me!

Process

Process

inp

Read CSV

fil

out

Churn Available Fil...

exa

exa

ori

unm

Churn Missing Filter

exa

exa

ori

unm

Read CSV (2)

fil

out

set churn as label

exa

exa

ori

set churn as role

exa

exa

ori

Decision Tree

tra

mod

exa

wei

Apply Model

mod

unl

lab

mod

res

res

res

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

Activate Wisdom of Crowds

Parameters

Decision Tree

criterion

gain_ratio

maximal depth

6

☒ apply pruning

confidence

0.1

☒ apply prepruning

minimal gain

0.01

minimal leaf size

2

Show advanced parameters

Change compatibility (10.4.000)

Help

Decision Tree

Concurrency

Tags: Supervised, Classification, Regression, Model, Trees

Synopsis

This Operator generates a decision tree model, which can be used for classification and regression.

Jump to Tutorial Process

Description

A decision tree is a tree like collection of nodes intended to create a decision on values affiliation to a class or an estimate of a numerical target value. Each node represents a splitting rule



Views:

Design

Results

Turbo Prep

Auto Model

Interactive
Analysis

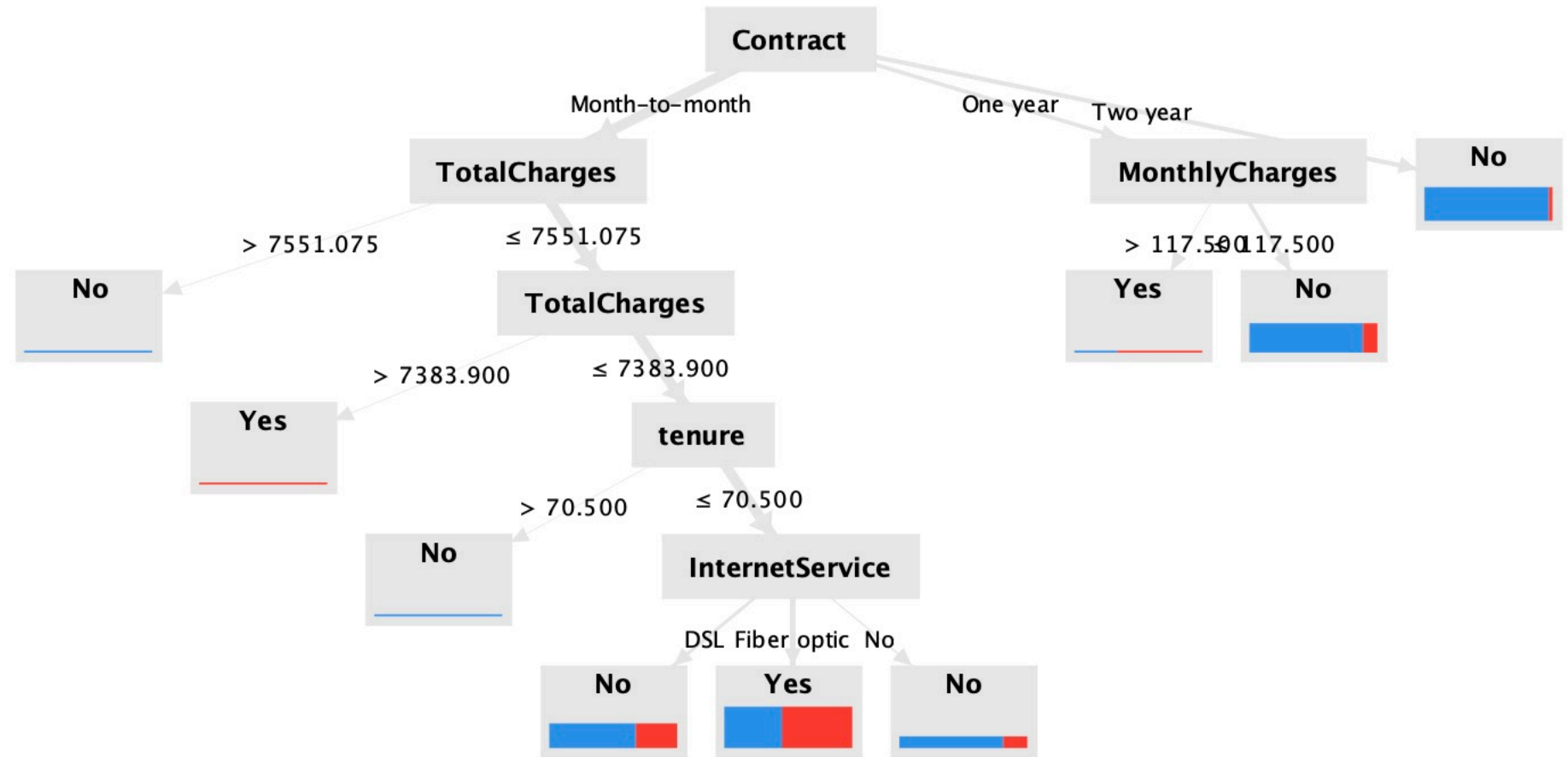
Tree (Decision Tree) X

ExampleSet (Apply Model) X



Labels

Labels



Views:

Design

Results

Turbo Prep

Auto Model

Interactive Analysis

Result History

Tree (Decision Tree)

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	0.676	0.324	5630-AHZIL	Female	0	No	Yes	3
2	?	No	0.888	0.112	2673-CXQEU	Female	1	No	No	56
3	?	No	0.888	0.112	6416-JNVRK	Female	0	No	No	46
4	?	No	0.676	0.324	5590-ZSKRV	Female	0	Yes	Yes	8
5	?	No	0.676	0.324	0191-ZHSKZ	Male	1	No	No	30
6	?	No	0.888	0.112	3887-PBQAO	Female	0	Yes	Yes	45
7	?	Yes	0.451	0.549	5919-TMRGD	Female	0	No	Yes	1
8	?	No	0.676	0.324	8108-UXRQN	Female	0	Yes	Yes	11
9	?	Yes	0.451	0.549	9191-MYQKX	Female	0	Yes	No	7
10	?	Yes	0.451	0.549	9919-YLNNG	Female	0	No	No	42
11	?	No	0.972	0.028	0318-ZOPWS	Female	0	Yes	No	49
12	?	Yes	0.451	0.549	4445-ZJNMU	Male	0	No	No	9
13	?	No	0.888	0.112	4808-YNLEU	Female	0	Yes	No	35
14	?	No	0.972	0.028	1862-QRWPE	Female	0	Yes	Yes	48
15	?	No	0.972	0.028	2796-NNUFI	Female	0	Yes	Yes	46
16	?	No	0.676	0.324	3016-KSVCP	Male	0	Yes	No	29
17	?	Yes	0.451	0.549	4767-HZZHQ	Male	0	Yes	Yes	30
18	?	Yes	0.451	0.549	2424-WVHPL	Male	1	No	No	1
19	?	No	0.676	0.324	3580-REOAC	Male	0	No	No	10
20	?	Yes	0.451	0.549	7534-BFESC	Male	1	No	No	24
21	?	No	0.888	0.112	3727-OWVYD	Male	0	No	No	35
22	?	No	0.888	0.112	2294-SALNE	Male	0	Yes	Yes	23
23	?	Yes	0.451	0.549	4847-TAJYI	Female	1	No	No	6

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
24	?	No	0.812	0.188	1563-IWQEX	Female	0	No	No	12
25	?	No	0.812	0.188	8203-XJZRC	Male	0	No	No	1
26	?	No	0.972	0.028	6556-DBKZF	Female	0	Yes	Yes	71
27	?	Yes	0.451	0.549	6851-WEFYX	Male	1	Yes	No	35
28	?	No	0.676	0.324	2985-JUUBZ	Male	0	Yes	Yes	40
29	?	Yes	0.451	0.549	6390-DSAZX	Female	0	No	Yes	1
30	?	No	0.888	0.112	0895-LMRSF	Male	0	No	No	23
31	?	Yes	0.451	0.549	8098-LLAZX	Female	1	No	No	4
32	?	Yes	0.451	0.549	8266-VBFQL	Male	0	No	No	4
33	?	No	0.972	0.028	8181-YHCMF	Female	0	Yes	Yes	68
34	?	Yes	0.451	0.549	2240-HSJQD	Male	0	No	Yes	38
35	?	No	0.972	0.028	1248-DYXUB	Male	0	Yes	Yes	52
36	?	Yes	0.451	0.549	0265-EDXBD	Male	1	Yes	No	32
37	?	No	0.676	0.324	2055-SIFSS	Female	1	Yes	No	55
38	?	No	0.888	0.112	2806-MLNTI	Male	1	Yes	No	52
39	?	Yes	0.451	0.549	8734-DKSTZ	Female	0	Yes	Yes	10
40	?	Yes	0.451	0.549	4360-PNRQB	Male	0	No	No	18
41	?	No	0.888	0.112	6152-ONASV	Female	0	Yes	No	68
42	?	No	0.812	0.188	9063-ZGTUY	Female	0	Yes	Yes	61
43	?	No	0.972	0.028	7781-HVGMK	Female	0	Yes	Yes	72
44	?	No	0.676	0.324	2181-UAESM	Male	0	No	No	2
45	?	No	0.676	0.324	2957-LOLHO	Male	0	No	No	12
46	?	No	0.972	0.028	6048-NJXHX	Male	0	Yes	No	41

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

Views:

Design

Results

Turbo Prep

Auto Model

Interactive Analysis

Result History

Tree (Decision Tree)

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
42	?	No	0.812	0.188	9063-ZGTUY	Female	0	Yes	Yes	61
43	?	No	0.972	0.028	7781-HVGMK	Female	0	Yes	Yes	72
44	?	No	0.676	0.324	2181-UAESM	Male	0	No	No	2
45	?	No	0.676	0.324	2957-LOLHO	Male	0	No	No	12
46	?	No	0.972	0.028	6048-NJXHX	Male	0	Yes	No	41
47	?	No	0.676	0.324	2320-SLKMB	Female	0	No	No	26
48	?	No	0.888	0.112	4980-URKXC	Male	0	Yes	No	36
49	?	No	0.972	0.028	4376-KFVRS	Male	0	Yes	Yes	72
50	?	Yes	0.451	0.549	5886-VLQVU	Male	0	Yes	No	35
51	?	No	0.676	0.324	3577-AMVUX	Male	0	No	No	1
52	?	Yes	0.451	0.549	0771-WLCLA	Female	0	Yes	Yes	16
53	?	Yes	0.451	0.549	5628-RKIFK	Female	1	No	No	49
54	?	No	0.888	0.112	0206-TBWLC	Female	0	Yes	No	54
55	?	No	0.676	0.324	2937-FTHUR	Female	0	No	Yes	18
56	?	Yes	0.451	0.549	1910-FMXJM	Female	0	Yes	No	36
57	?	Yes	0.451	0.549	7752-XUSCI	Female	0	No	No	60
58	?	Yes	0.451	0.549	4110-PFEUZ	Female	0	No	No	1
59	?	No	0.888	0.112	3957-HHLMR	Female	0	Yes	Yes	70
60	?	Yes	0.451	0.549	7803-XOCCZ	Female	0	Yes	Yes	52
61	?	No	0.972	0.028	5736-YEJAX	Male	0	No	Yes	69
62	?	Yes	0.451	0.549	5609-CEBID	Female	1	No	No	20
63	?	Yes	0.451	0.549	8981-FJGLA	Male	0	No	Yes	11
64	?	Yes	0.451	0.549	7218-HKQFK	Male	0	Yes	No	2

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