

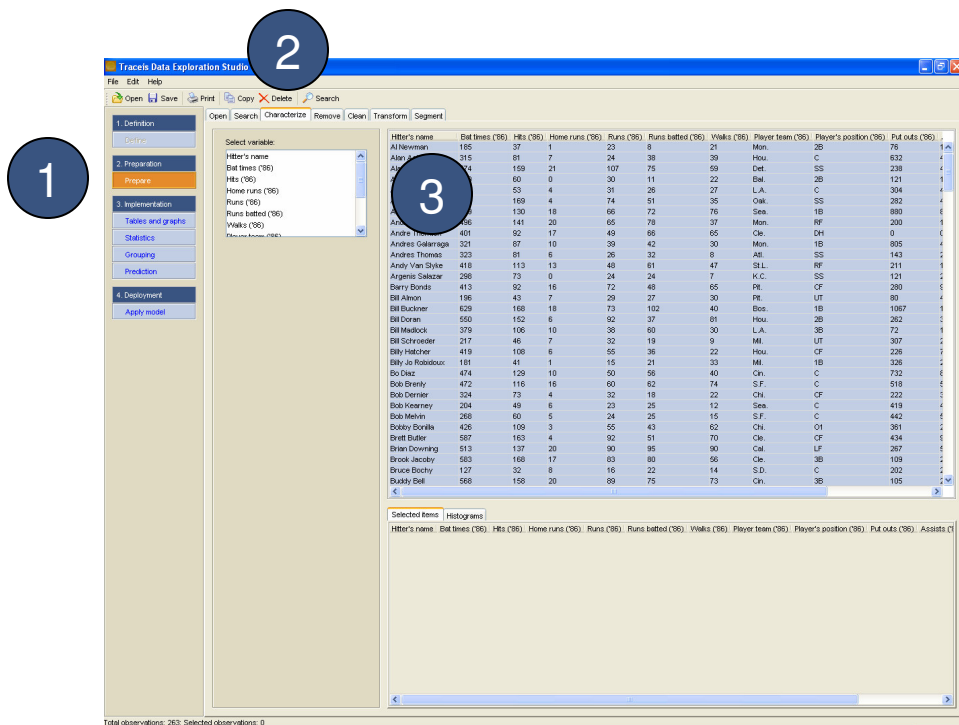
1 Select the prepare step

This example uses the baseball hitters dataset. To view how each of the variables have been characterized, first select the prepare step.

2 Select the characterize tab

3 View the characterization

To view how the software has characterized a variable, click on a variable name listed.



MAKING SENSE OF DATA

1

View how the variable is characterized

In this example, the Hitter's name variable was selected and it can be seen that its type is discrete, its scale is nominal and it has been assigned as a label.

The screenshot shows the 'Traceless Data Exploration Studio 2007 beta 1.1' interface. The 'Characterize' tab is selected, displaying the variable 'Hitter's name'. The variable's characteristics are listed as follows:

- Type: Discrete
- Scale: Nominal
- Role: Label

The background table lists various baseball statistics for different players, including 'Hitter's name', 'Bat times (196)', 'Hits (196)', 'Home runs (196)', 'Runs (196)', 'Runs batted (196)', 'Walks (196)', 'Player team (196)', 'Player's position (196)', and 'Put outs (196)'. The 'Selected items' list at the bottom includes: 'Hitter's name', 'Bat times (196)', 'Hits (196)', 'Home runs (196)', 'Runs (196)', 'Runs batted (196)', 'Walks (196)', 'Player team (196)', 'Player's position (196)', 'Put outs (196)', and 'Assists (196)'.

MAKING SENSE OF DATA

1

View how the variable is characterized

In this example, the Bat times ('86) variable was selected and it can be seen that the type is continuous, the scale is interval, and it has been assigned as a potential label, descriptor or response variable. The variable has been binned into 7 groups and the ranges of each group are shown.

Traceless Data Exploration Studio 2007 beta 1.1

File Edit Help

Open Save Print Copy Delete Search

1 Definition

2 Preparation

3 Implementation

4 Deployment

Apply model

Select variable:

Hitter's name

Bat times ('86)

Home runs ('86)

Runs ('86)

Runs batted ('86)

Walks ('86)

Player team ('86)

Player's position ('86)

Put outs ('86)

Type: Continuous

Scale: Interval

Role(s):

☒ Label

☒ Descriptor

☒ Response

Number of bins: 7

Bins:

Bins1: 0 to 100

Bins2: 100 to 200

Bins3: 200 to 300

Bins4: 300 to 400

Bins5: 400 to 500

Bins6: 500 to 600

Units:

Description:

Hitter's name	Bat times ('86)	Home runs ('86)	Runs ('86)	Runs batted ('86)	Walks ('86)	Player team ('86)	Player's position ('86)	Put outs ('86)
Al Newman	185	37	1	23	8	Mon.	2B	76
Alan Ashby	215	81	7	24	38	Hou.	C	632
Alan Trammell	574	159	21	107	75	Det.	SS	238
Alan Viggans	239	60	0	30	11	Det.	2B	121
Alan Trivino	202	53	4	31	26	L.A.	C	304
Alfredo Griffin	594	169	4	74	51	Oak.	SS	262
Alvin Davis	479	130	18	66	72	Sea.	1B	880
Andre Dawson	496	141	20	65	78	Mon.	RF	200
Andre Thornton	401	92	17	49	66	Oak.	DH	0
Andres Calamanga	321	87	10	39	42	Mon.	1B	805
Andres Thomas	323	81	6	26	32	Ast.	SS	143
Andy Van Slyke	418	113	13	48	61	St.L.	RF	211
Argenis Salazar	298	73	0	24	24	H.C.	SS	121
Berry Bonds	413	92	16	72	48	Ph.	CF	280
Bill Almon	196	43	7	29	27	Ph.	UT	80
Bob	629	168	18	73	102	Bos.	1B	1067
Bob	600	152	8	92	37	Hou.	2B	262
Bob	106	10	38	60	30	L.A.	3B	72
Bob	46	7	32	19	9	MI	UT	307
Bob	108	6	95	36	22	Hou.	CF	226
Bob	41	1	15	21	33	MI	1B	326
Bob	414	128	10	58	40	Cin.	C	732
Bob	472	116	16	60	62	S.F.	C	618
Bob	324	73	4	32	18	Chi.	CF	222
Bob	204	49	6	23	25	Sea.	C	419
Bob	268	60	5	24	25	S.F.	C	442
Bob	426	109	3	55	43	Chi.	OF	361
Bob	587	163	4	52	51	Oak.	CF	434
Bob	513	137	20	90	95	Cal.	LF	267
Bob	583	168	17	83	80	Sea.	2B	109
Bob	127	32	0	16	22	K.C.	C	202
Bob	568	158	20	88	75	Cin.	3B	105

Total observations: 263, Selected observations: 0