

Edit Domain

Rename features and their values.

Inputs

- Data: input dataset

Outputs

- Data: dataset with edited domain

This widget can be used to edit/change a dataset's domain.

The screenshot shows the 'Edit Domain' widget interface. It has a title bar with standard macOS window controls (red, yellow, green buttons) and the title 'Edit Domain'. The interface is divided into two main panels: 'Variables' and 'Edit'.

Variables Panel (labeled 1): This panel contains a list of variables from a dataset. Each variable is preceded by a colored square icon: red for nominal (N) and green for categorical (C). The variables listed are: age (N), gender (C), chest pain (C), rest SBP (N), cholesterol (N), fasting blood sugar > 120 (C), rest ECG (C), max HR (N), exerc ind ang (C), and ST by exercise (N). The 'gender' variable is currently selected and highlighted.

Edit Panel (labeled 2): This panel allows for editing the selected variable's domain. It contains three main sections:

- Name:** A text field containing the name 'gender' (labeled 2).
- Values:** A list of values for the variable. It currently shows 'male → M' and 'female → F'. The 'female → F' entry is highlighted (labeled 3). Below the list are four buttons: an up arrow, a down arrow, a plus sign, and a minus sign.
- Labels:** A table for defining labels for the values (labeled 4). It has two columns: 'Key' and 'Value'. The first row shows 'label1' under 'Key' and 'Binary' under 'Value'.

The screenshot shows the 'Edit Domain' widget interface. On the left, a list of features is displayed with colored icons: a green 'C' for 'slope peak exc ST', a red 'N' for 'major vessels colored', a green 'C' for 'thal', and a green 'C' for 'diameter narrowing'. The central area shows a 'Labels' box with the text 'Binary' and '+' and '-' buttons. At the bottom, there are buttons for 'Reset Selected', 'Reset All', a circled '5', a circled '6', and a blue 'Apply' button. A help icon (?) and a document icon are located at the bottom left.

1. All features (including meta attributes) from the input dataset are listed in the *Variables* list. Selecting one feature displays an editor on the right.
2. Change the name of the feature.
3. Change the value names for discrete features in the *Values* list box. Double-click to edit the name. To reorder the values (for example to display them in *Distributions*, use the up and down keys at the bottom of the box. To add or remove a value, use + and - buttons.
4. Additional feature annotations can be added, removed or edited in the *Labels* box. Add a new label with the + button and add the *Key* and *Value* for the new entry. Key will be displayed in the top left corner of the *Data Table*, while values will appear below the specified column. Remove an existing label with the - button.
5. To revert the changes made to the selected feature, press the *Reset Selected* button while the feature is selected in the *Variables* list. Pressing *Reset All* will remove all the changes to the domain.
6. Press *Apply* to send the new domain to the output.

Example

Below, we demonstrate how to simply edit an existing domain. We selected the *heart_disease.tab* dataset and edited the *gender* attribute. Where in the original we had the values *female* and *male*, we changed it into *F* for female and *M* for male. Then we used the down key to switch the order of the variables. Finally, we added a label to mark that the attribute is binary. We can observe the edited data in the *Data Table* widget.

Info

303 instances
13 features (0.2% missing values)
Discrete class with 2 values (no missing values)
No meta attributes

Variables

- ☒ Show variable labels (if present)
- ☐ Visualize numeric values
- ☒ Color by instance classes

Selection

- ☒ Select full rows

Restore Original Order

☒ Send Automatically

Data Table

label1	diameter narrowing	age	gender Binary	chest
1	0	63	M	typical a
2	1	67	M	asympto
3	1	67	M	asympto
4	0	37	M	non-ang
5	0	41	F	atypical
6	0	56	M	atypical ang
7	1	62	F	asymptomatic
8	0	57	F	asymptomatic
9	1	63	M	asymptomatic
10	1	53	M	asymptomatic
11	0	57	M	asymptomatic
12	0	56	F	atypical ang
13	1	56	M	non-anginal
14	0	44	M	atypical ang
15	0	52	M	non-anginal
16	0	57	M	non-anginal

Edit Domain

Variables

- N age
- C gender
- C chest pain
- N rest SBP
- N cholesterol
- C fasting blood sugar > 120
- C rest ECG
- N max HR
- C exerc ind ang
- N ST by exercise
- C slope peak exc ST
- N major vessels colored
- C thal
- C diameter narrowing

Edit

Name: gender

Values: male → M
female → F

Labels: Key Value
label1 Binary

Reset Selected Reset All Apply