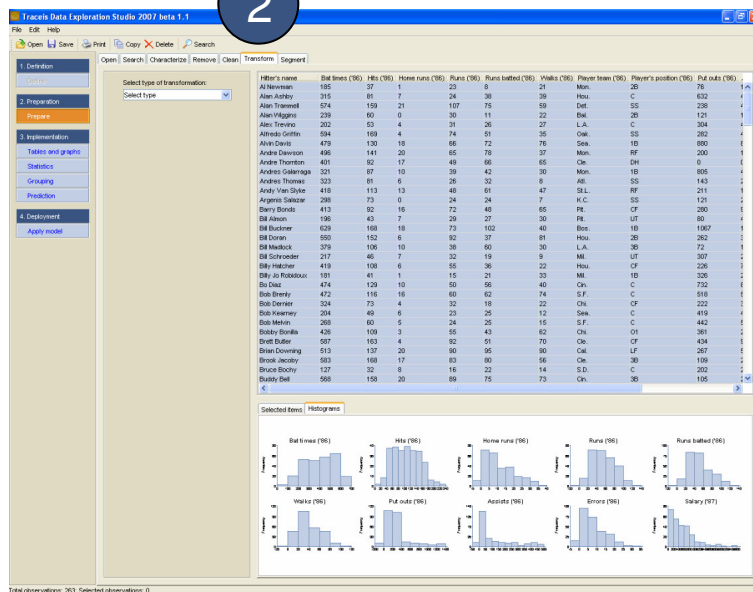


Traceis™ Data Exploration Studio Transforming

1 Select the prepare step

This example uses the baseball hitters dataset. To transform any of the variables, first select the prepare step.

2 Select the transform tab



MAKING SENSE OF DATA

1 Select the type of transformation

There are a number of options for transforming one or more variables:

- Normalization (new range)
- Normalization (new distribution)
- Value mapping (text-to-numbers)
- Value mapping (dummy variables)
- Discretization (using ranges)
- Discretization (using values)
- Aggregation

2 Select one or more variable

If the aggregation transformation is selected, then more than one variable may be selected using ctrl-click or shift-click, otherwise a single variable should be selected.

The screenshot shows the Tracets Data Exploration Studio 2007 beta 1.1 interface. The 'Transform' menu is open, showing options like 'Normalization (new range)', 'Normalization (new distribution)', 'Value mapping (text-to-numbers)', 'Value mapping (dummy variables)', 'Discretization (using ranges)', 'Discretization (using values)', and 'Aggregation'. A red circle with the number '1' highlights the 'Transform' menu. A red circle with the number '2' highlights the 'Select variables to transform' list, which includes variables like 'Bat times (96)', 'Hits (96)', 'Home runs (96)', 'Runs (96)', 'Runs batted (96)', 'Walks (96)', 'Player team (96)', 'Player's position (96)', and 'Put outs (96)'. The main window displays a data table with columns for player names and various statistics. Below the table, there are histograms for selected variables: Bat times (96), Hits (96), Home runs (96), Runs (96), Runs batted (96), Walks (96), Put outs (96), Assists (96), Errors (96), and Salary (97). The status bar at the bottom indicates 'Total observations: 263, Selected observations: 0'.

MAKING SENSE OF DATA

1 Select any parameters

Based on the type of transformation selected and the number of variables selected (in the case of aggregation), a series of options are presented to transform the variable(s).

2 Enter the name of the new variable

3 Generate the new variable

The screenshot displays the Tracsis Data Exploration Studio 2007 beta 1.1 interface. On the left, a navigation pane shows steps 1 through 4. Step 1, 'Definition', is highlighted. The main window shows a data table with columns for player statistics and team information. A transformation dialog box is open, showing 'Select type of transformation' set to 'Normalization (new range)'. The 'From' field is set to 0 and the 'To' field is set to 1. The 'Variable name' field is set to 'New variable'. Below the dialog, a 'Selected Items' section shows histograms for various variables: Bat times (96), Hits (96), Home runs (96), Runs (96), Runs batted (96), Walks (96), Put outs (96), Assists (96), Errors (96), and Salary (97). The bottom status bar indicates 'Total observations: 263, Selected observations: 0'.