Overview

The Variable List Model class provides information on the variables in SAS data sets and SAS data views, including the variable names, their type, labels, and associated data set.

Ancestors:

- sashelp.fsp.Object.class
- sashelp.fsp.Selmdl.class

Class:

- sashelp.classes.Variablelist_c.class

Using the Variable List Model

You can use the Variable List Model class in conjunction with a viewer control for model/view communication. When you drop a model on a control in a frame, or you set the control’s model attribute to the name of the instantiated model object, the items attribute of the view is automatically set to the items attribute of the model when you specify the dataSet attribute on the model.

For example, add a list box control and a variable list model to a frame, then set listbox1.model to variablelist1. To display a list of variables from a data set in the listbox, specify a value for variablelist1.dataSet.

You can also use the variable list model in an SCL program to retrieve a list of variables from a specified SAS table. Once you specify a valid SAS table for the object’s dataSet attribute, simply query the items attribute to get the list of variables. To further qualify the selection, specify other attribute values for the object before you query items.

For example, the following code instantiates a variable list model and returns a list of all character variables in the table sasuser.mytable:
init: dcl
sashelp.classes.variablelist_c.class varobj; dcl list variables; dcl num
rc; variables=makelist(); varobj = _new_ sashelp.classes.variablelist_c();
varobj.dataSet = 'sasuser.mytable'; varobj.typeFilter = 'Character';
variables=varobj.items; call putlist(variables); varobj._term();
rc=dellist(variables); return;

### Attributes

Public attributes specified for the Variable List Model class are described here. See sashelp.fsp.Selmdl.class for inherited attributes.

### Dictionary

#### dataSet

Returns or sets the data set name of the model

**Type:** Character

**Valid Values:**

**Editor:** sashelp.classes.dataSetSelectionEditor.scl

#### description

Brief description of the object.

**Type:** Character

**Valid Values:**

#### labelDisplayed

Returns or sets the state that determines whether the label is displayed

**Type:** Character

**Valid Values:** Yes No
nameDisplayed

Returns or sets the state that determines whether the variable name is displayed

Type: Character
Valid Values: Yes No

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typeFilter

Returns or sets the type of variables to display

Type: Character
Valid Values: Character Numeric All

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Methods

Methods specified for the Variable List Model class are described here. See sashelp.fsp.Selmdl.class for inherited methods.

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_bterm

Terminates an object at design time

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Syntax

objectName_bterm( );
_init

Initializes an object

Syntax

objectName._init();
objectName._init(num1);

_term

Deletes an object

Syntax

objectName._term();

Events

Events specified for the Variable List Model class are described here. See sashelp.fsp.Selmdl.class for inherited events.

dataSet changed
  Occurs when the dataSet attribute is changed
labelDisplayed changed
  Occurs when the labelDisplayed attribute is changed
nameDisplayed changed
  Occurs when the nameDisplayed attribute is changed
typeFilter changed
  Occurs when the typeFilter attribute is changed