

*Example:*

If you've several options to set multiple values, then the following lines are equivalent:

```
Table_1.getDataSource().setVariableValue("V_Country", {values: ["DE", "FR"], exclude: true});
Table_1.getDataSource().setVariableValue("V_Country", [{value: "DE", exclude: true}, {value: "FR", exclude: true}]);
```

`getVariableValues()` always returns as few `VariableValue` objects as possible, grouping all single values with the same sign, that is, including or excluding, into one `values` object. In the example, an array with only one object is returned:

```
[{values: ["DE", "FR"], exclude: true}]
```

In SAP BW models you can define variables that correspond to user-modifiable settings like filters or hierarchies. For example, setting a variable value sets the exact same value as the filter on the related dimension.

Note: Synchronization in the other direction is **not** performed by `getVariableValues()`. Thus, the `getVariableValues()` still returns the same variable value, even though the user might have modified the filter in the meantime. To retrieve the current value of such special variables, use `getDimensionFilters()` instead. For hierarchy variables use `getHierarchy()`.

### 5.10.5 Removing Variable Values

You can remove the variable value of a variable of a data source with the method `removeVariableValue()`.

Note: If you remove a variable value from a mandatory variable, then this operation is ignored.

*Example:*

In the following example, the variable value of variable `V_Supervisor` is removed:

```
Table_1.getDataSource().removeVariableValue("V_Supervisor");
```

### 5.10.6 Copying Variable Values

You can copy the variable value from one, several, or all variables of a data source to another variable with the method `copyVariableValueFrom()`.

Note: If you copy an empty variable value to a mandatory variable then copying this variable value is ignored.

Note: If you copy a variable value to a data source of a widget that overrides variables and the variable is of type text, then copying this variable value is ignored.

*Example:*

In the following example, the variable value of variable `V_Country` is copied from data source 1 to data source 2:

```
var DS_1 = Table_1.getDataSource();
Table_2.getDataSource().copyVariableValueFrom(DS_1, "V_Country");
```