

Spotfire IronPython - Reset filters and marking

This code resets the filters, marking and document properties to a default setting.

Input variables include:

Name	Type
MyDataTable	Data Table
ColumnName	String
FilterValue	String

DashboardReset

```
# Declarations and initial system setup
from Spotfire.Dxp.Data import *
from Spotfire.Dxp.Application.Filters import *

#-----
# Reset marking
for dataTable in Document.Data.Tables:
    # Navigate through each marking in a given data table
    for marking in Document.Data.Markings:
        # Unmark the selection
        rows = RowSelection(IndexSet(dataTable.RowCount, False))
        marking.SetSelection(rows, dataTable)

# Reset filters
for filteringScheme in Document.FilteringSchemes:
    # Loop through all data tables
    for dataTable in Document.Data.Tables:
        # Reset all filters
        filteringScheme[dataTable].ResetAllFilters()
    # Set the default filter
    filter=filteringScheme.Item[MyDataTable].Item[MyDataTable.Columns.Item[ColumnName]].As[CheckBoxFilter]()
    filter.IncludeEmpty = False
    for value in filter.Values:
        filter.Uncheck(value)
        filter.Check(FilterValue)

#-----
# Set default document properties
Document.Properties["EquipmentType"]="Mobile"
```

Sources

- <https://community.tibco.com/wiki/how-perform-reset-all-markings-using-ironpython-tibco-spotfire>