graphlab.SFrame.show¶

`SFrame.` `show`(*columns=None*, *view=None*, *x=None*, *y=None*)¶

Visualize the SFrame with GraphLab Create `canvas`. This function starts Canvas if it is not already running. If the SFrame has already been plotted, this function will update the plot.

Parameters: **view** : str, optional

The name of the SFrame view to show. Can be one of:

None: Use the default (depends on which Canvas target is set).
'Table': Show a scrollable, tabular view of the data in the SFrame.
'Summary': Show a list of columns with some summary statistics and plots for each column.
'Scatter Plot': Show a scatter plot of two numeric columns.
'Heat Map': Show a heat map of two numeric columns.
'Bar Chart': Show a bar chart of one numeric and one categorical column.
'BoxWhisker Plot': Show a box and whisker plot of one numeric and one categorical column.
'Line Chart': Show a line chart of one numeric and one categorical column.

x : str, optional

The column to use for the X axis in a Scatter Plot, Heat Map, Bar Chart, or Line Chart view. Must be the name of one of the columns in this SFrame. For Scatter Plot and Heat Map, the column must be numeric (int or float). If not set, defaults to the first available valid column.

y : str, optional

The column to use for the Y axis in a Scatter Plot, Heat Map, Bar Chart, or Line Chart view. Must be the name of one of the numeric columns in this SFrame. If not set, defaults to the second available numeric column.

Returns: **view** : graphlab.canvas.view.View

An object representing the GraphLab Canvas view.

See also

`canvas`

Examples

Suppose 'sf' is an SFrame, we can view it in GraphLab Canvas using:

```
>>> sf.show()
```

To choose a specific view of the SFrame:

```
>>> sf.show(view="Summary")
>>> sf.show(view="Table")
>>> sf.show(view="Bar Chart", x="col1", y="col2")
>>> sf.show(view="Line Chart", x="col1", y="col2")
>>> sf.show(view="Scatter Plot", x="col1", y="col2")
>>> sf.show(view="Heat Map", x="col1", y="col2")
```