

Plotting functions

pie-chart(t :: Table, ls :: String, vs :: String) -> Image

Display an Image of a pie-chart from the given Table (one slice per row). ls is the label to use for the chart, and vs names the column of the Table to use for values in the pie chart.

bar-chart(t :: Table, ls :: String, vs :: String) -> Image

Displays an Image of a bar-chart from the given Table (one bar per row). ls names the column of the Table to use for labels, and vs names the column of the Table to use for values in the bar chart.

transform-column example

```
example-table = table: color, amount
  row: "purple", 4.3
  row: "ORANGE", 3.8
  row: "yellow", 2.1
  row: "GREEN", 0.9
  row: "GRAY", 1.2
end
```

transform-column(t :: Table, colname :: String, f :: (A -> B)) -> Table

Consumes a `Table`, a `String` representing a column name, and a transformation function and produces a new `Table` where the transformation function has been applied to all values in the named column. The values in the original column are of type `A` (the input type of the function) and values in the new column have type `B` (the output type of the function).

```
string-to-upper :: (s :: String) -> String
```

```
string-to-lower :: (s :: String) -> String
```

```
string-length :: (s :: String) -> Number
```

```
string-char-at :: (s :: String, n :: Number) -> String
```