BerlinCanvas

Documentation of the Attributes of the Charting Library

Put all non-digit values in straight apostrophes

# Vertical Bar and Line Charts:

canvas\_properties.**bar**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| background\_color | [rgba-color codes] |
| border\_color | rgba-color code |
| border\_width | digit >= 0 |
| rainbow | no/yes |
| stacked | no/yes |

canvas\_properties.**barlabel**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| display | [no/yes] |
| font\_color | [rgba-color codes] |
| font\_size | [digits >= 1] (16 recommended) |
| position\_y | [digits] |

canvas\_properties.**canvas**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| document\_id | document ID |
| font\_family | font family (Calibri recommended) |
| height | digit >= 1 (350 recommended) |
| width | digit >= 1 (700 recommended) |

canvas\_properties.**chart**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| axis\_labels | [first line], [second line], ... |
| chart\_to\_values\_spacing | no/yes (yes recommended)  Adds an extra gridline to the chart. Corresponds to the width of the tick step size. Only applies for the highest positive and lowest negative value. |
| orientation | horizontal/vertical |
| types | ['bar']  ['line']  ['line', 'bar', ...]  ['line', 'line', 'bar', 'bar', 'bar', ...] |
| values | [digits], [digits], ... |

canvas\_properties.**grid**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| background\_color | rgba-color code |
| under\_over\_zero\_line\_color | rgba-color code  Color for the 0-line. Only applies, if chart has values under and over 0. |

canvas\_properties.grid.**x**

canvas\_properties.grid.**y**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| display | no/yes |
| line\_color | rgba-color code |
| line\_width | digit >= 1 |

canvas\_properties.**legend**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| display | no/yes |
| font\_color | rgba-color code |
| font\_size | digit >= 1 (16 recommended) |
| labels | [labels] |
| legend\_to\_chart\_spacing | digit >= 0 |
| line\_height | float >= 1.0 |
| point\_to\_label\_spacing | digit >= 1 (10 recommended) |

canvas\_properties.**legendpoint**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| background\_color | [rgba-color codes] |
| border\_color | [rgba-color codes] |
| border\_width | [digits >= 0] |
| position\_y | [digits] |
| radius | [digits >= 0] |
| shape | [shapes]  Shapes: circle, cross, discrete horizontal, discrete vertical, plus, rectangle, star, triangle |

canvas\_properties.**line**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| color | [rgba-color codes] |
| display | [no/yes] |
| width | [digits >= 1] |

canvas\_properties.**linearea**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| color | [rgba-color codes] |
| display | [no/yes] |
| fill\_to | [fill to]  Fill to: bottom, line, top |

canvas\_properties.**linepoint**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| background\_color | [rgba-color codes] |
| border\_color | [rgba-color codes] |
| border\_width | [digits >= 0] |
| display | [no/yes] |
| radius | [digits >= 0] |
| rainbow | no/yes |
| shape | [shapes]  Shapes: circle, cross, discrete horizontal, discrete vertical, plus, rectangle, star, triangle |

canvas\_properties.**linepointlabel**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| display | [no/yes] |
| font\_color | [rgba-color codes] |
| font\_size | [digits >= 1] (16 recommended) |
| position\_y | [digits] |

canvas\_properties.**xaxis**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| font\_color | [rgba-color codes] |
| font\_size | [digits >= 1] (16 recommended) |
| line\_height | [float values >= 1.0] |
| tick\_color | rgba-color code |
| tick\_length | digit >= 0 |
| tick\_to\_label\_spacing | digit >= 0 |
| tick\_width | digit >= 1 |

canvas\_properties.**yaxis**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| font\_color | rgba-color code |
| font\_size | digit >= 1 (16 recommended) |
| tick\_color | rgba-color code |
| tick\_length | digit >= 0 |
| tick\_step\_size | digit > = 1 |
| tick\_to\_label\_spacing | digit >= 0 |
| tick\_width | digit >= 1 |

# Horizontal Bar and Line Charts:

* Use the properties of Vertical Bar and Line Charts.
* Use the value 'horizontal' for the attribute orientation.
* Use barlabel.position\_x instead of barlabel.position\_y.
* Use linepointlabel.position\_x instead of linepointlabel.position\_y.
* Use xaxis.tick\_step\_size instead of yaxis.tick\_step\_size.
* Use single values instead of Arrays in the object xaxis.
* Use an Array for yaxis.font\_color instead of a single value.

# Doughnut Charts

canvas\_properties.**arc**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| background\_color | [rgba-color codes] |
| width | digit >= 1 (80 recommended) |

canvas\_properties.**arclabel**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| display | no/yes |
| font\_color | rgba-color code |
| font\_size | digit >= 1 (16 recommended) |
| position | digit (0 recommended) |

canvas\_properties.**canvas**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| document\_id | document ID |
| font\_family | font family (Calibri recommended) |
| height | digit >= 1 (350 recommended) |
| width | digit >= 1 (550 recommended) |

canvas\_properties.**chart**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| diameter | digit 1 - 100 (100 recommended) |
| orientation | ring |
| type | doughnut/pie |
| values | [digits] |

canvas\_properties.**legend**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| display | no/yes |
| font\_color | rgba-color code |
| font\_size | digit >= 1 (16 recommended) |
| labels | [labels] |
| legend\_to\_chart\_spacing | digit >= 0 |
| line\_height | float >= 1.0 |
| point\_to\_label\_spacing | digit >= 1 (10 recommended) |

canvas\_properties.**legendpoint**

|  |  |
| --- | --- |
| **Attributes** | **Possible Values** |
| background\_color | [rgba-color codes] |
| border\_color | [rgba-color codes] |
| border\_width | digit >= 0 |
| position\_y | digit (7 recommended) |
| radius | digit >= 0 |
| shape | shape  Shapes: circle, cross, discrete horizontal, discrete vertical, plus, rectangle, star, triangle |

# Pie Charts

* Use the properties of Doughnut Charts.
* Do not use arc.width.
* Use the value 'pie' for the attribute type.