

Code

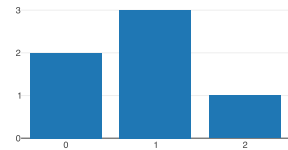
JSON Specification

Display

(a)

```
>>> import plotly.graph_objs as go
>>> fig = go.FigureWidget(
    data=[go.Bar(y=[2, 3, 1])])
```

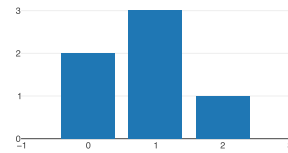
```
{
  "data": [
    {
      "type": "bar",
      "y": [2, 3, 1]
    }
  ],
  "layout": {}
}
```



(b)

```
>>> fig.layout.xaxis.range = [-1, 3]
```

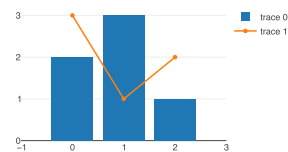
```
{
  "data": [
    {
      "type": "bar",
      "y": [2, 3, 1]
    }
  ],
  "layout": {
    "xaxis": {
      "range": [-1, 3]
    }
  }
}
```



(c)

```
>>> fig.add_scatter(y=[3, 1, 2])
```

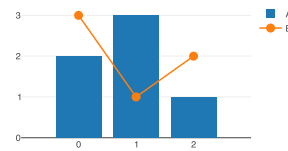
```
{
  "data": [
    {
      "type": "bar",
      "y": [2, 3, 1]
    },
    {
      "type": "scatter",
      "y": [3, 1, 2]
    }
  ],
  "layout": {
    "xaxis": {
      "range": [-1, 3]
    }
  }
}
```



(d)

```
>>> with fig.batch_update():
...     fig.data[0].name = 'A'
...     fig.data[1].name = 'B'
...     fig.data[1].marker.size = 12
...     fig.layout.xaxis.tickvals = \
...         [0, 1, 2]
```

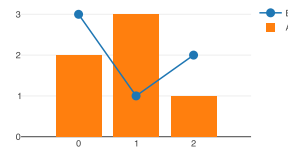
```
{
  "data": [
    {
      "type": "bar",
      "y": [2, 3, 1],
      "name": "A"
    },
    {
      "type": "scatter",
      "y": [3, 1, 2],
      "name": "B",
      "marker": {
        "size": 12
      }
    }
  ],
  "layout": {
    "xaxis": {
      "range": [-1, 3],
      "tickvals": [0, 1, 2]
    }
  }
}
```



(e)

```
>>> fig.data = \
...     [fig.data[1], fig.data[0]]
```

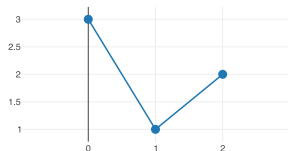
```
{
  "data": [
    {
      "type": "scatter",
      "y": [3, 1, 2]
    },
    {
      "type": "bar",
      "y": [2, 3, 1]
    }
  ],
  "layout": {
    "xaxis": {
      "range": [-1, 3],
      "tickvals": [0, 1, 2]
    }
  }
}
```



(f)

```
>>> fig.data = [fig.data[0]]
```

```
{
  "data": [
    {
      "type": "scatter",
      "y": [3, 1, 2]
    }
  ],
  "layout": {
    "xaxis": {
      "range": [-1, 3],
      "tickvals": [0, 1, 2]
    }
  }
}
```



(g)

```
>>> with fig.batch_animate():
...     fig.layout.xaxis.range = \
...         [-2, 4]
...     fig.layout.yaxis.range = \
...         [-3, 5]
```

```
{
  "data": [
    {
      "type": "scatter",
      "y": [3, 1, 2]
    }
  ],
  "layout": {
    "xaxis": {
      "range": [-1, 3],
      "tickvals": [0, 1, 2]
    },
    "yaxis": {
      "range": [-3, 5]
    }
  }
}
```

