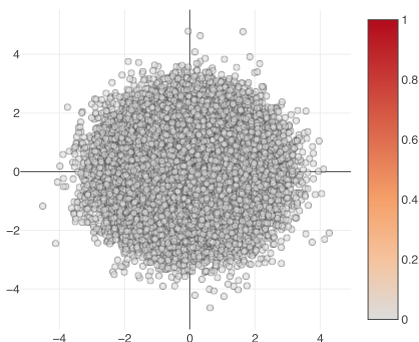



```
>>> import plotly.graph_objs as go
>>> import numpy as np
>>> from IPython.display import display
>>> N = 100000
>>> fig = go.FigureWidget(
...     data = [
...         go.Scattergl(
...             x = np.random.randn(N),
...             y = np.random.randn(N),
...             mode = 'markers',
...             marker={
...                 'color': np.zeros(N),
...                 'opacity': 0.6,
...                 'cmin': 0, 'cmax': 1,
...                 'line': {'width': 1},
...                 'showscale' : True}),
...     layout = {'width': 500,
...               'height': 500})
>>> display(fig)
```

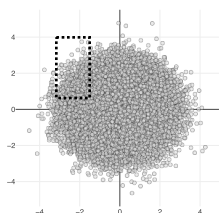
(a)



```
>>> def brush(trace, points, *_) :
...     inds = np.array(points.point_inds)
...     selected = np.zeros(N)
...     if inds.size:
...         selected[inds] = 1
...     trace.marker.color = selected
>>> fig.data[0].on_selection(brush)
```

(b)

 Box select (c)



(d)

