Date 06-07-2021

Distplots

In [1]:
```
import pandas as pd
import numpy as np
import plotly.offline as pyo
import plotly.figure_factory as ff
```

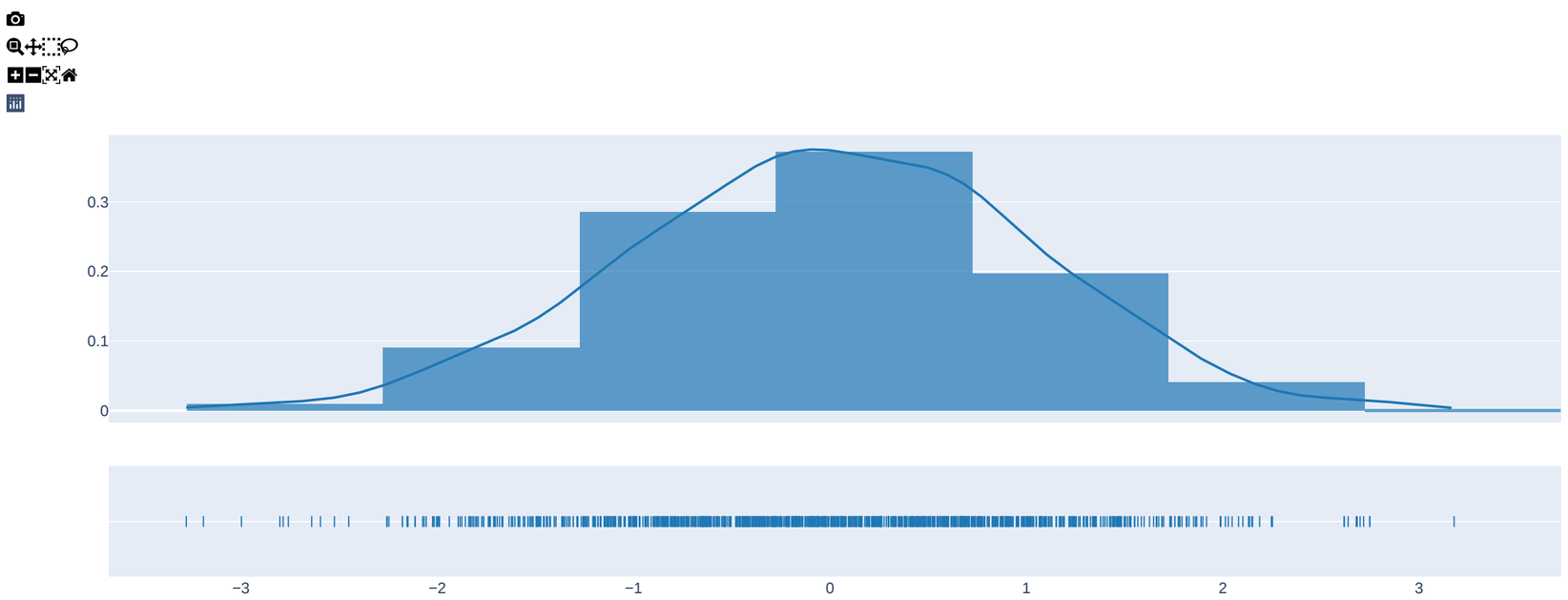
In [2]:
```
np.random.seed(5465)
x = np.random.randn(1000)
```

In [3]:
```
hist_data = [x]
```

In [4]:
```
group_labels = ["Distance Plots"]
```

In [5]:
```
fig = ff.create_distplot(hist_data,
                         group_labels)
```

In [6]:
```
pyo.iplot(fig)
```



In [7]:
```
pyo.plot(fig, filename = "tutorial_19 (Distplots)[Part-1]{Graph}.html")
```

Out[7]:
```
'tutorial_19 (Distplots)[Part-1]{Graph}.html'
```

In [8]:
```
x1 = np.random.randn(1000) - 2
x2 = np.random.randn(1000) + 2
x3 = np.random.randn(1000) - 4
x4 = np.random.randn(1000) + 4
x5 = np.random.randn(1000) + 6
x6 = np.random.randn(1000) - 6
x7 = np.random.randn(1000)
```

In [9]:
```
hist_data = [x1, x2, x3, x4, x5, x6, x7]
```

In [10]:
```
group_labels = ["X1", "X2", "X3", "X4", "X5", "X6", "X7"]
```

In [11]:
```
fig = ff.create_distplot(hist_data,
                         group_labels,
                         bin_size = np.random.uniform(.1, .9, 7).tolist())
```

In [12]:
```
pyo.iplot(fig)
```


In [13]:
```
pyo.plot(fig, filename = "tutorial_19 (Distplots)[Part-2]{Graph}.html")
```

Out[13]:
```
'tutorial_19 (Distplots)[Part-2]{Graph}.html'
```