Date 06-07-2021

Histograms Exercise

In [1]:
```
import pandas as pd
import plotly.offline as pyo
import plotly.graph_objs as go
```

In [2]:
```
abalone_data = pd.read_csv("abalone.csv")
length_data = abalone_data["length"].to_numpy()
length_data
```

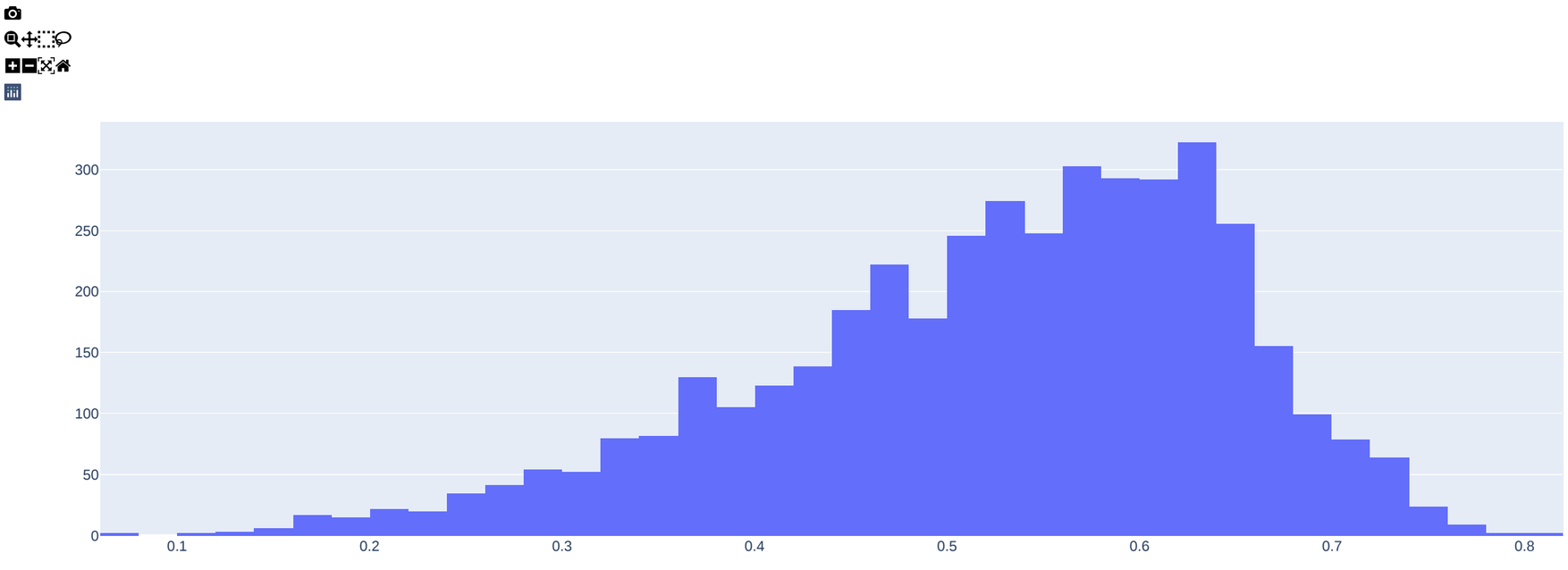
Out[2]:
```
array([0.455, 0.35 , 0.53 , ..., 0.6  , 0.625, 0.71 ])
```

In [3]:
```
data = [go.Histogram(x = length_data,
        name = "Data of Length",
        xbins = dict(start = 0,
                     end = 1,
                     size = .02))]
```

In [4]:
```
layout = go.Layout(title = "This is a Length Data's histogram taken from \"abalone.csv\"",
                   title_x = .5)
```

In [5]:
```
fig = go.Figure(data, layout)
```

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



In [7]:
```
pyo.plot(fig, filename = "tutorial_17 (Histograms Exercise){Graph}.html")
```

Out[7]:
```
'tutorial_17 (Histograms Exercise){Graph}.html'
```