Jupyter ile Veri Görselleştirme Çalışması

Bu benim yapmış olduğum ilk jupyter notebook çalışmam. Bu çalışmam ile veri görselleştirme örneğini gerçekleştiriyorum.

Github ile Örnek Çalışmaları İnceliyorum

Pandas NumPy Sckit-Learn Tensorflow OpenCV

In [1]:
```
import numpy as np
```

In [2]:
```
from bokeh.plotting import figure, show
```

In [4]:
```
N = 500
x = np.linspace(0, 10, N)
y = np.linspace(0, 10, N)
xx, yy = np.meshgrid(x, y)
d = np.sin(xx)*np.cos(yy)
```

In [5]:
```
p = figure(tooltips=[("x", "$x"), ("y", "$y"), ("value", "@image")])
p.x_range.range_padding = p.y_range.range_padding = 0
```

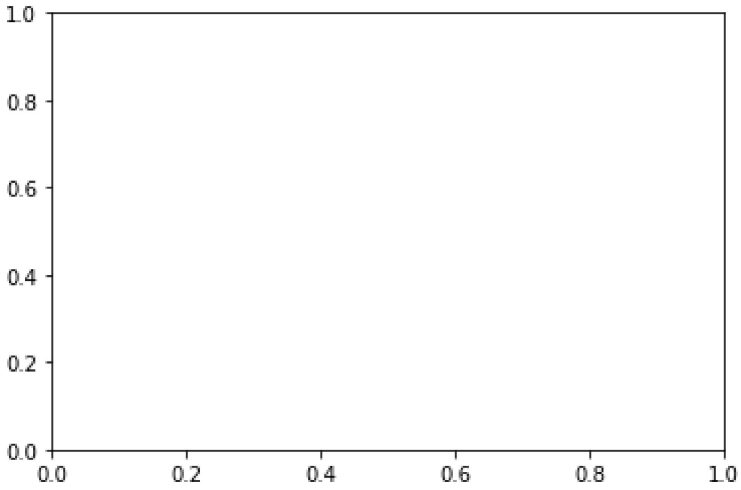
In [9]:
```
# must give a vector of image data for image parameter
p.image(image=[d], x=0, y=0, dw=10, dh=10, palette="Spectral11", level="image")
p.grid.grid_line_width = 0.5
```

In [11]:
```
show(p)
```

In [12]:
```
import matplotlib.pyplot as plt
```

In [13]:
```
labels = ['G1', 'G2', 'G3', 'G4', 'G5']
men_means = [20, 35, 30, 35, 27]
women_means = [25, 32, 34, 20, 25]
men_std = [2, 3, 4, 1, 2]
women_std = [3, 5, 2, 3, 3]
width = 0.35       # the width of the bars: can also be len(x) sequence
```

In [14]:
```
fig, ax = plt.subplots()
```



In [15]:
```
ax.bar(labels, men_means, width, yerr=men_std, label='Men')
ax.bar(labels, women_means, width, yerr=women_std, bottom=men_means,
       label='Women')
```

Out[15]:
```
<BarContainer object of 5 artists>
```

In [16]:
```
ax.set_ylabel('Scores')
ax.set_title('Scores by group and gender')
ax.legend()
```

Out[16]:
```
<matplotlib.legend.Legend at 0x26aefe78e50>
```

In [17]:
```
plt.show()
```

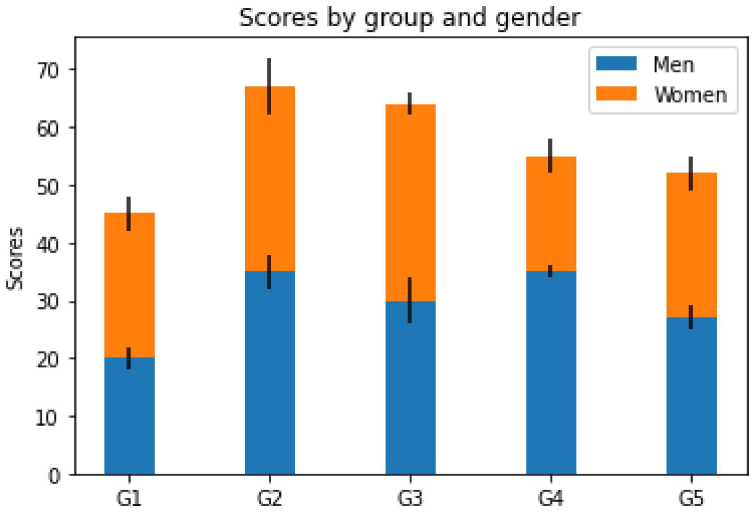
In [18]:
```
labels = ['G1', 'G2', 'G3', 'G4', 'G5']
men_means = [20, 35, 30, 35, 27]
women_means = [25, 32, 34, 20, 25]
men_std = [2, 3, 4, 1, 2]
women_std = [3, 5, 2, 3, 3]
width = 0.35       # the width of the bars: can also be len(x) sequence

fig, ax = plt.subplots()

ax.bar(labels, men_means, width, yerr=men_std, label='Men')
ax.bar(labels, women_means, width, yerr=women_std, bottom=men_means,
       label='Women')

ax.set_ylabel('Scores')
ax.set_title('Scores by group and gender')
ax.legend()

plt.show()
```


Scores by group and gender
Men
Women
Scores
70
60
50
40
30
20
10
0
G1
G2
G3
G4
G5

In [ ]: