

```
In [ ]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from statannotations.Annotator import Annotator # local copy of forked repo for
from sklearn.datasets import load_iris
```

```
In [ ]: iris = load_iris(as_frame=True)
df = pd.DataFrame(iris['data'])
df['species'] = iris['target']
df.head()
```

```
Out [ ]:
```

	sepal length (cm)	sepal width (cm)	petal length (cm)	petal width (cm)	species
0	5.1	3.5	1.4	0.2	0
1	4.9	3.0	1.4	0.2	0
2	4.7	3.2	1.3	0.2	0
3	4.6	3.1	1.5	0.2	0
4	5.0	3.6	1.4	0.2	0

Annotation font color is same as annotation line color

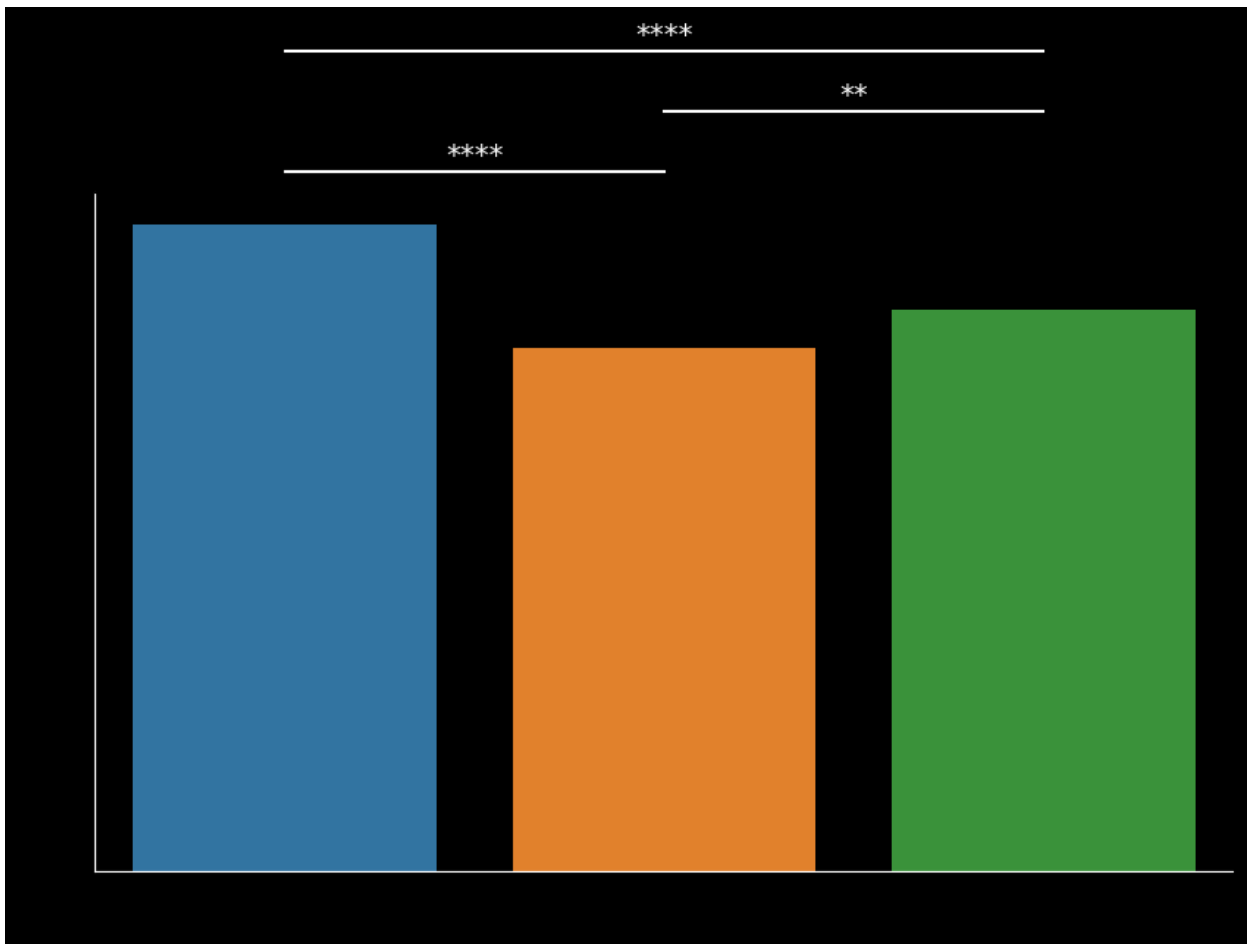
```
In [ ]: fig, ax = plt.subplots(figsize=(10,6))
ax.set_facecolor('k') # make plot black
fig.patch.set_facecolor('k') # make area around plot black
fig.patch.set_alpha(1)

palette = ['red', 'green', 'blue']
sns.barplot(data=df, x='species', y='sepal width (cm)', errorbar=None, palette=

# Make axes white
for axis in ['bottom', 'left']:
    ax.spines[axis].set_color('w')

pairs = [(0, 1), (0, 2), (1, 2)]

annotator = Annotator(ax, pairs, data=df, x='species', y='sepal width (cm)')
annotator.configure(test='Mann-Whitney', loc='outside', text_format='star',
                    show_test_name=False, line_height=0, fontsize=14,
                    color='white', fontcolor='white', verbose=False)
annotator.apply_and_annotate();
```



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```
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