

## Lesson 19: Multi-Panel Figures

Data Science with Python – BSc Course

45 Minutes

# Learning Objectives

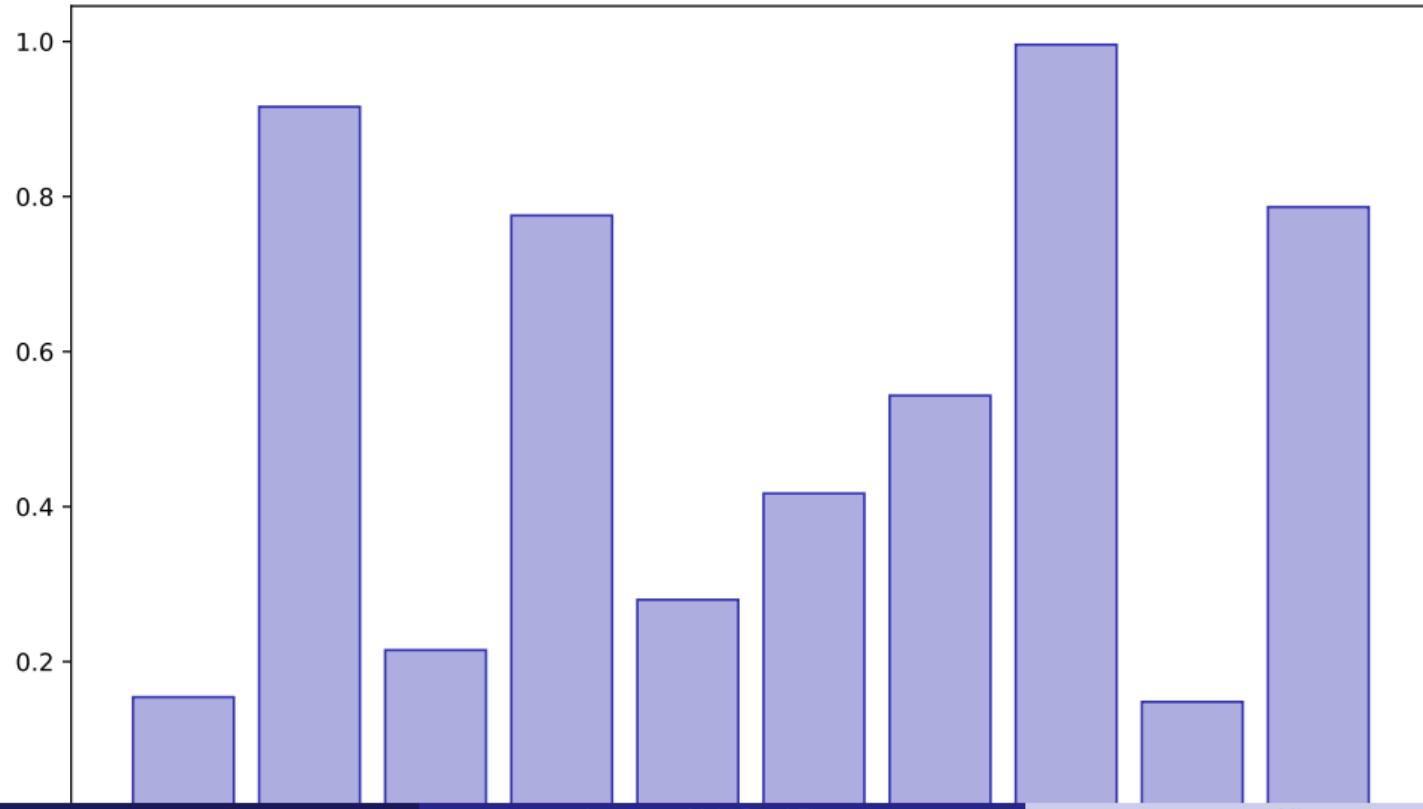
**After this lesson, you will be able to:**

- Create subplots with plt.subplots()
- Arrange multiple visualizations
- Share axes and legends
- Build financial dashboards

**Building towards your final project**

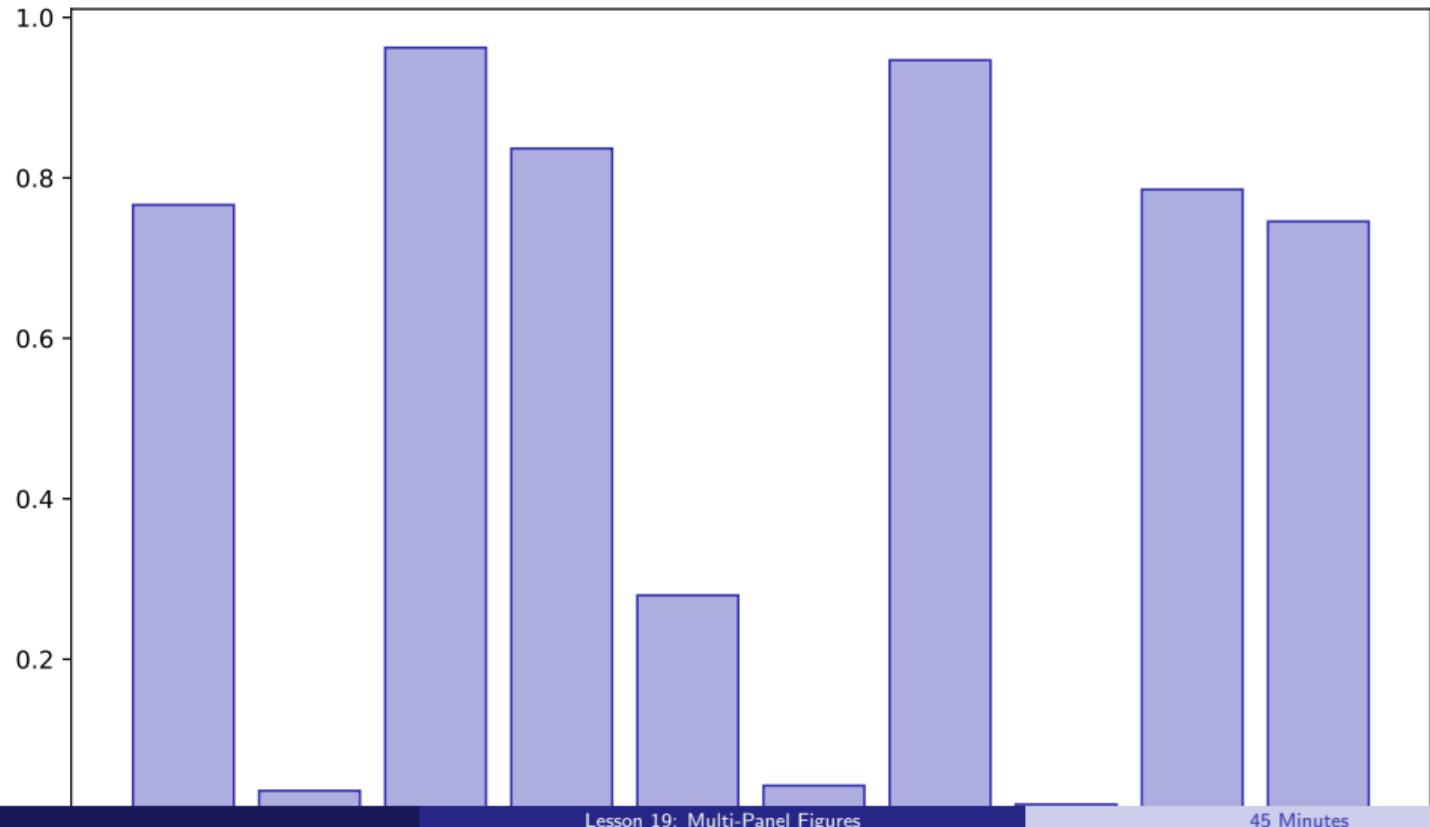
## Subplots Grid

**Subplots Grid**



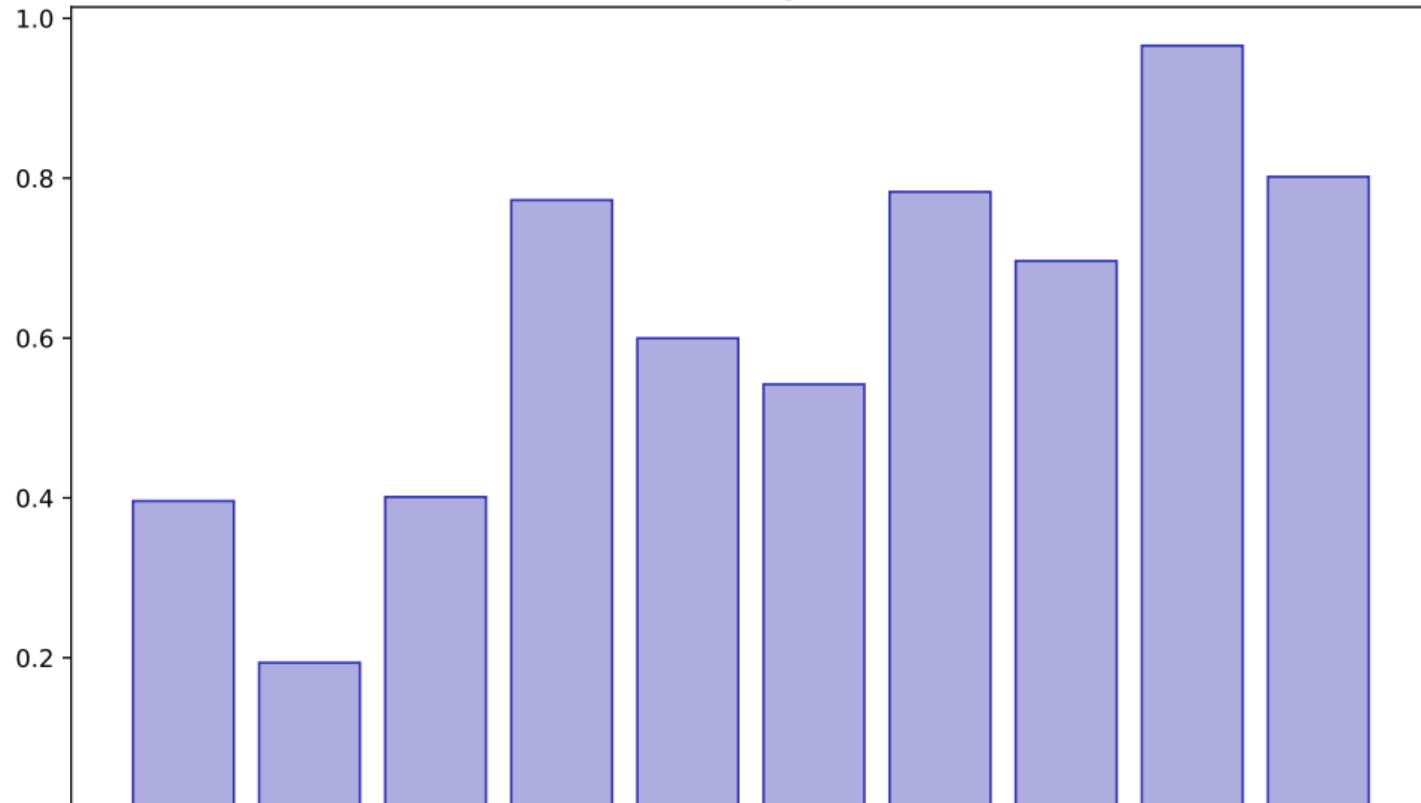
## Shared Axes

### Shared Axes

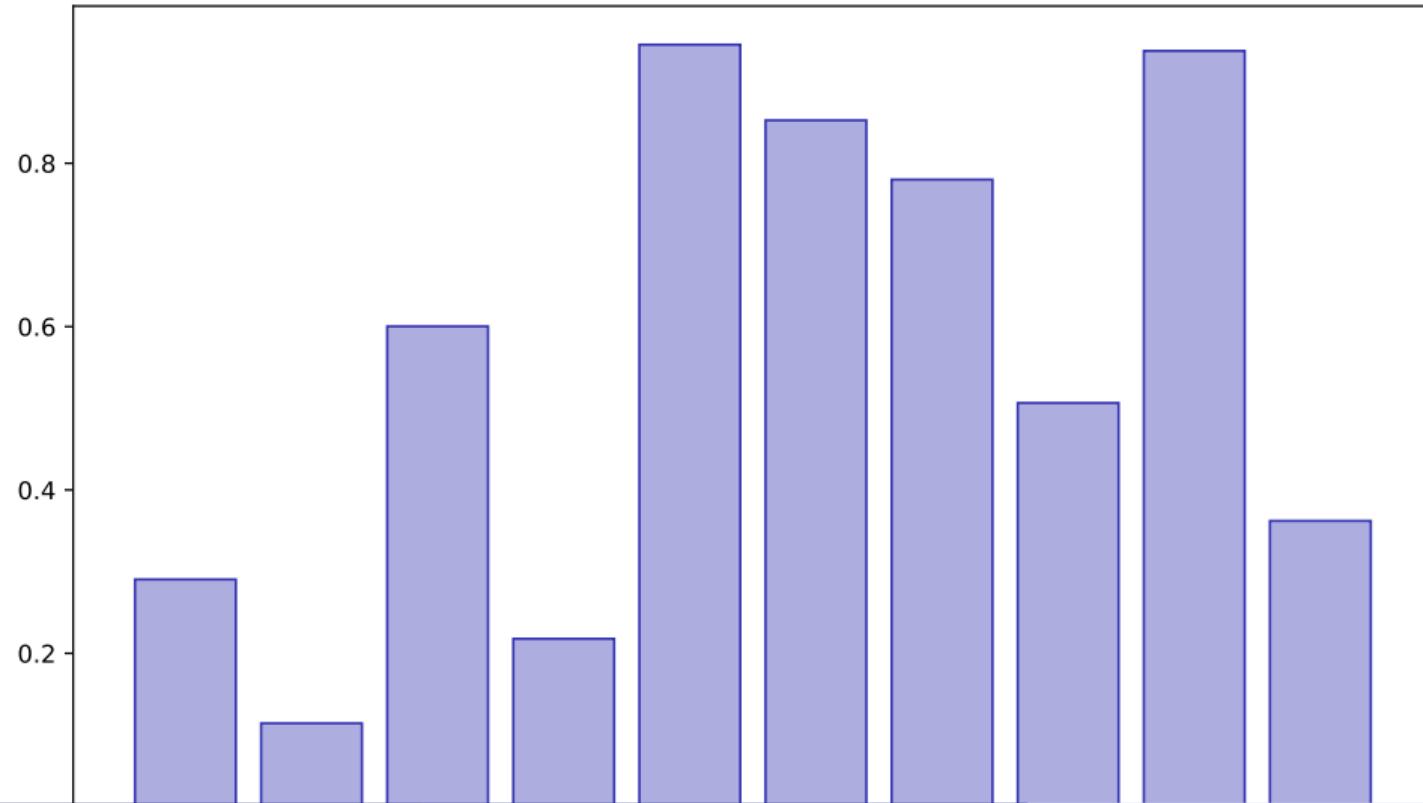


## Mixed Layouts

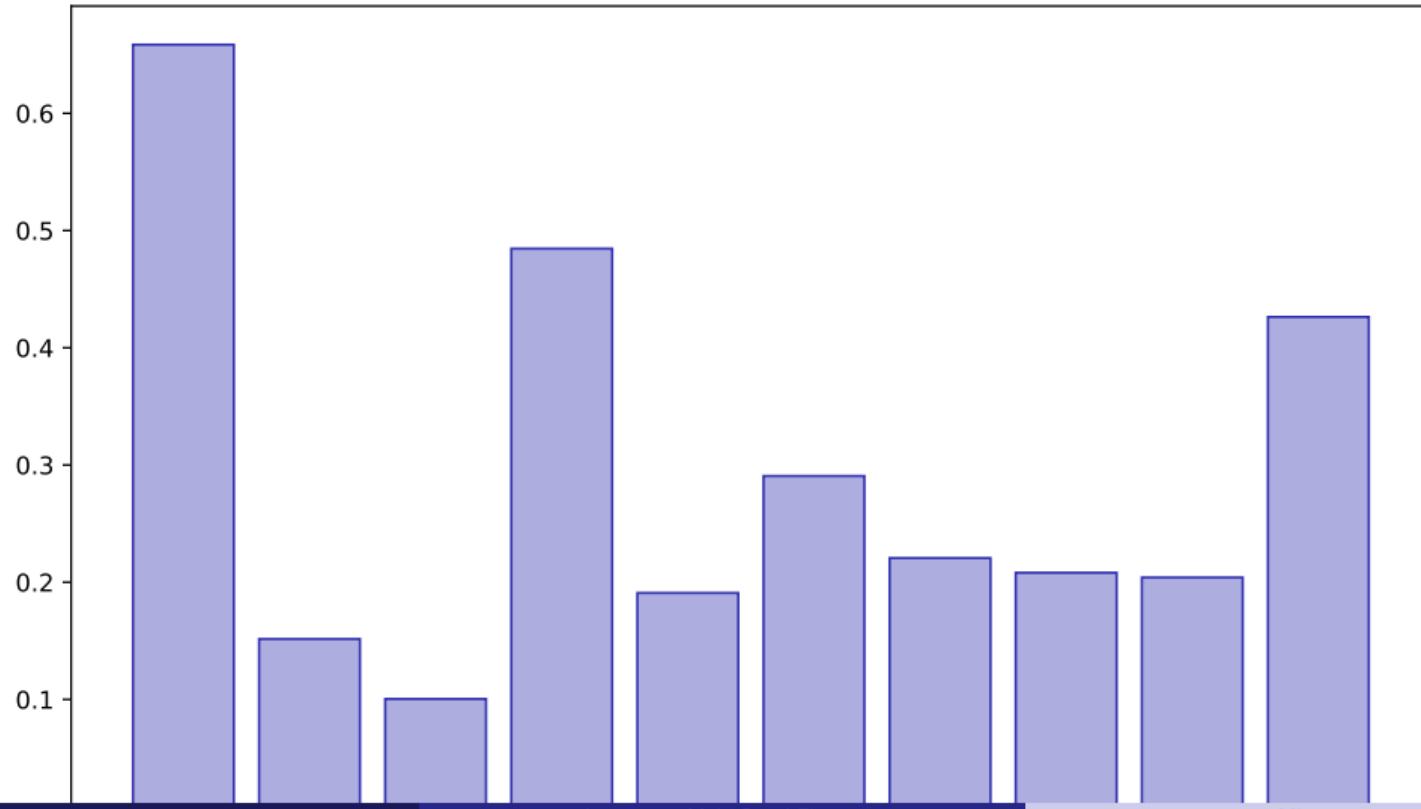
**Mixed Layouts**



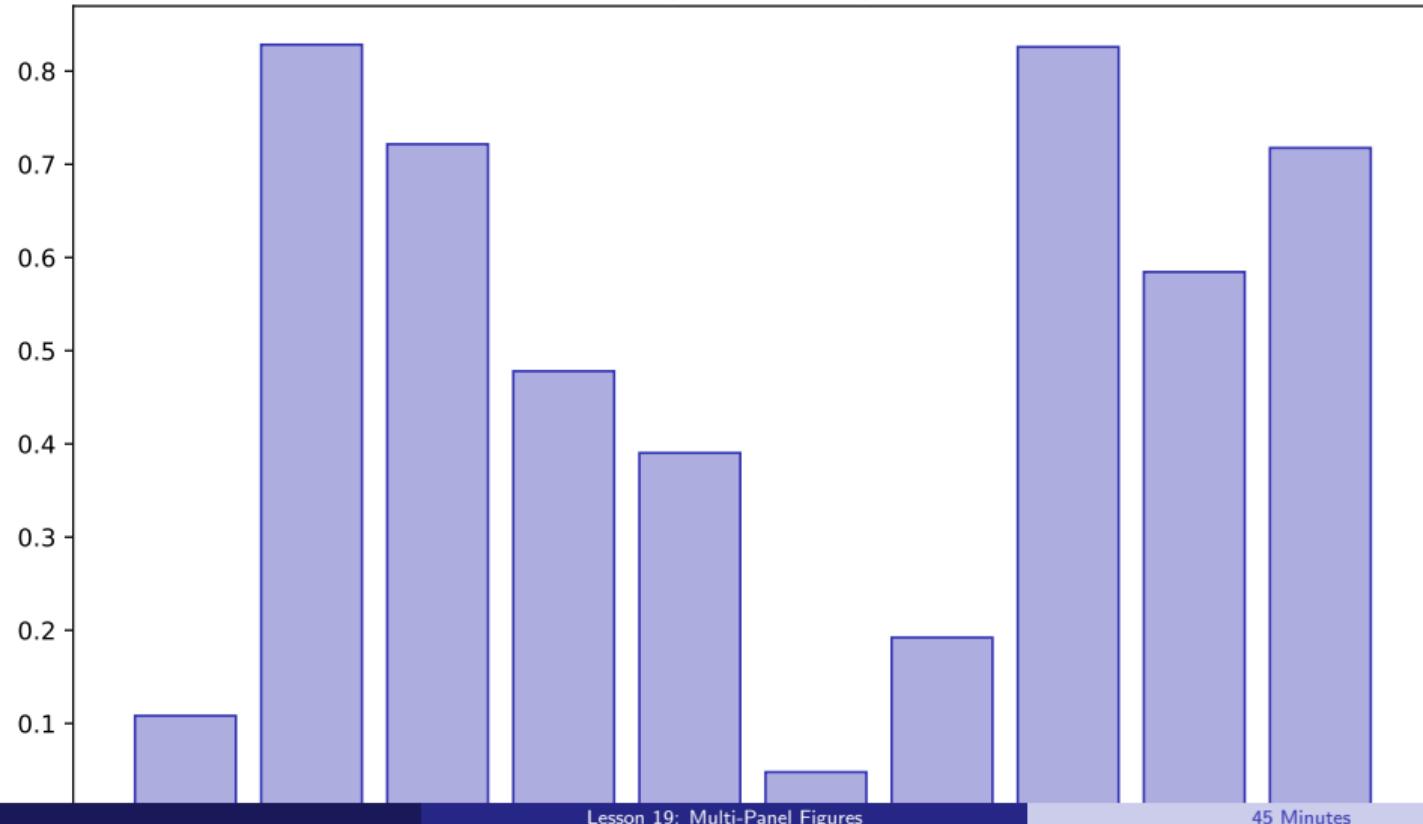
## Gridspec



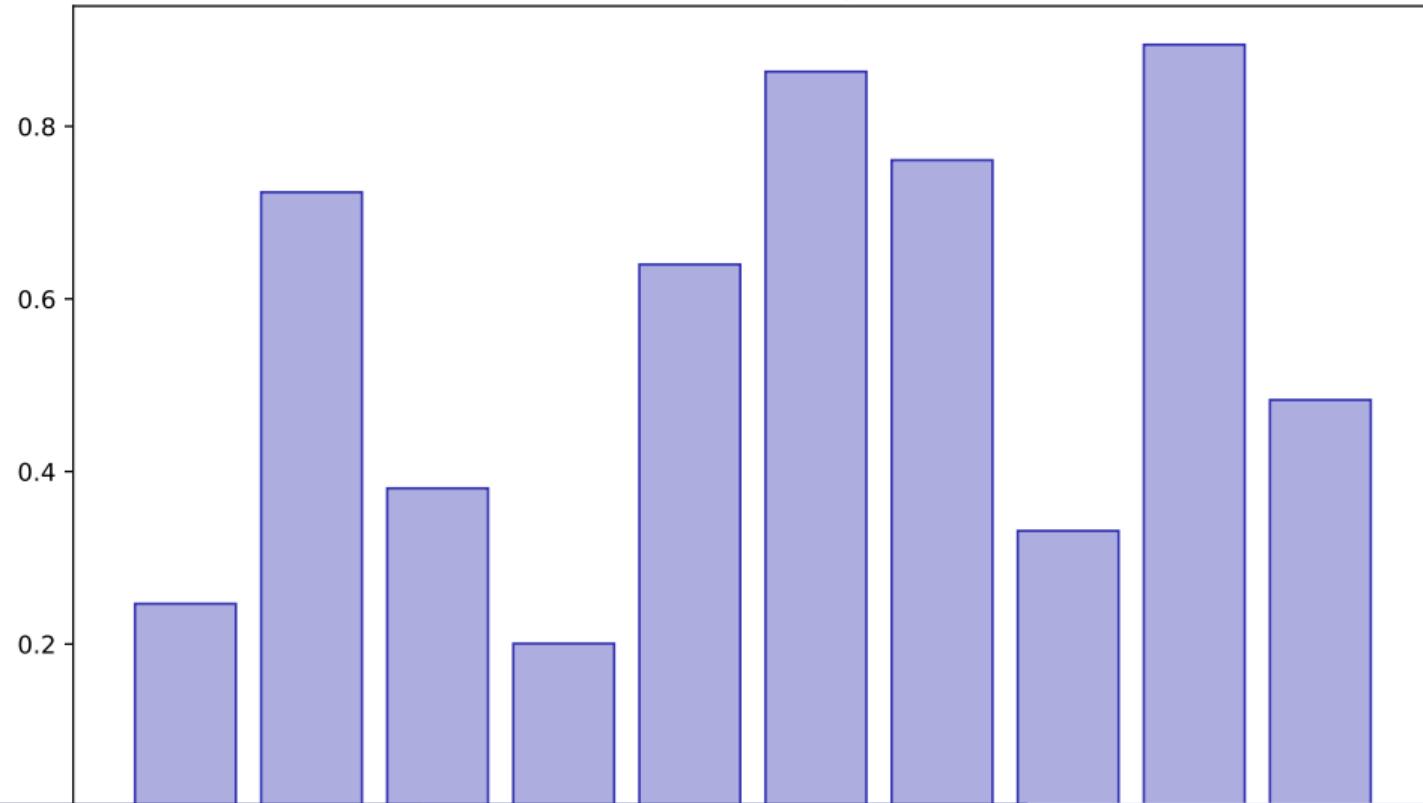
### Nested Plots



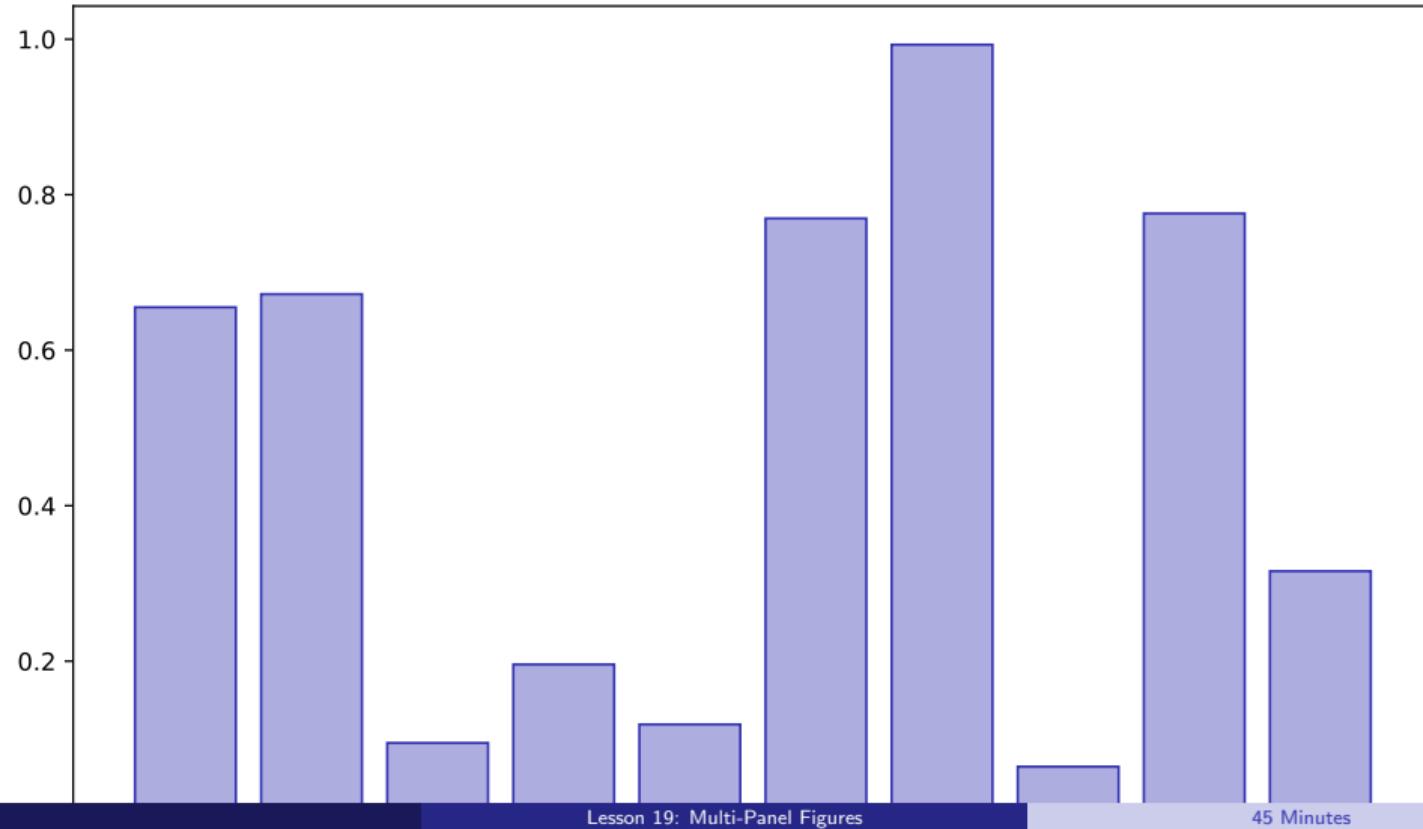
### Figure Sizing



## Dashboard Layout



## Finance Dashboard



## Lesson Summary

### Key Takeaways:

- Create subplots with plt.subplots()
- Arrange multiple visualizations
- Share axes and legends
- Build financial dashboards

Apply these skills in your final project