

## Lesson 15: Hypothesis Testing

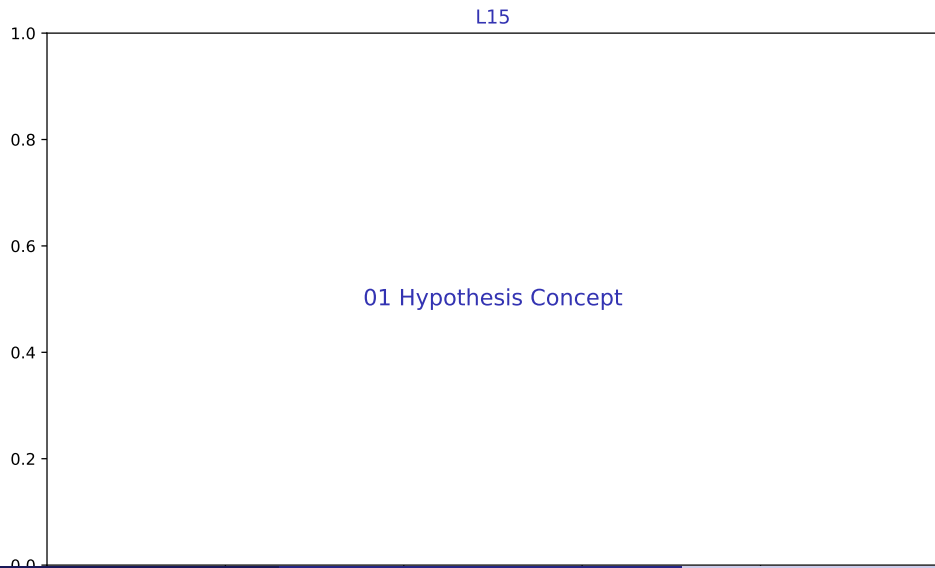
Data Science with Python – BSc Course

45 Minutes

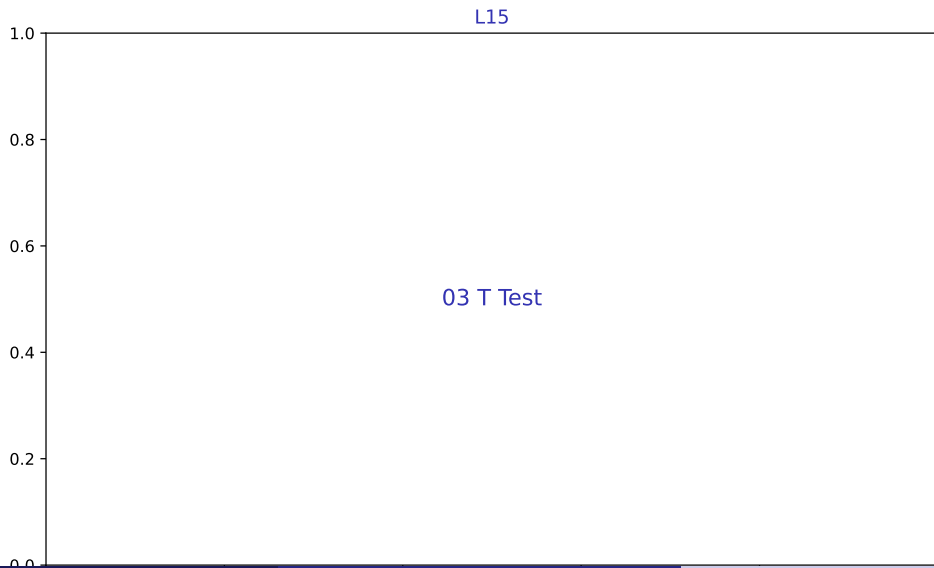
**After this lesson, you will be able to:**

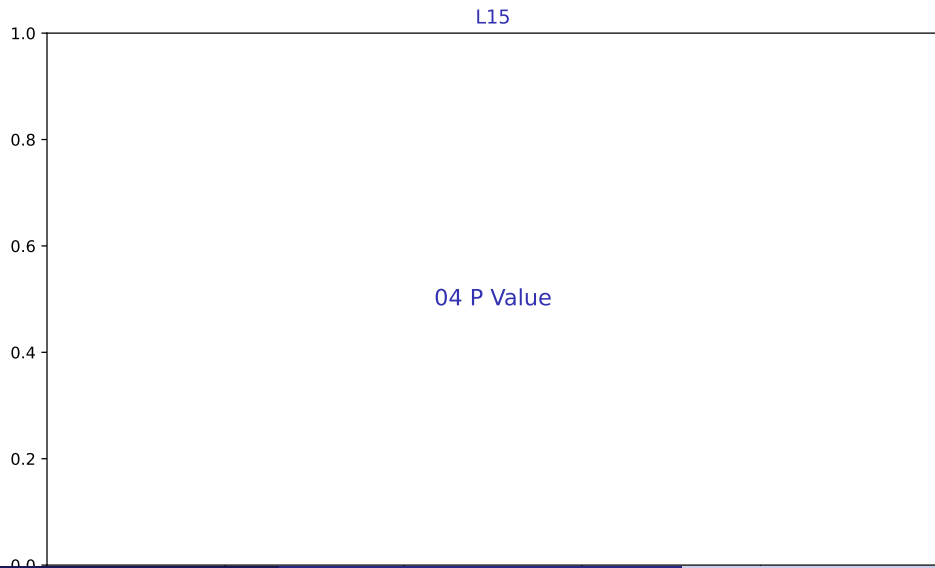
- Formulate null and alternative hypotheses
- Perform t-tests
- Interpret p-values correctly
- Construct confidence intervals

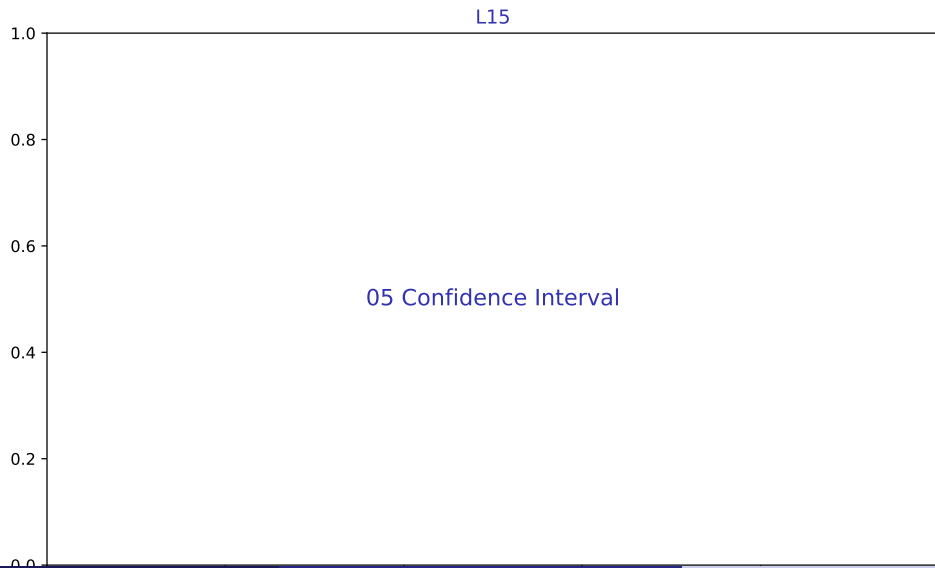
**Finance application: Statistical analysis of market data**

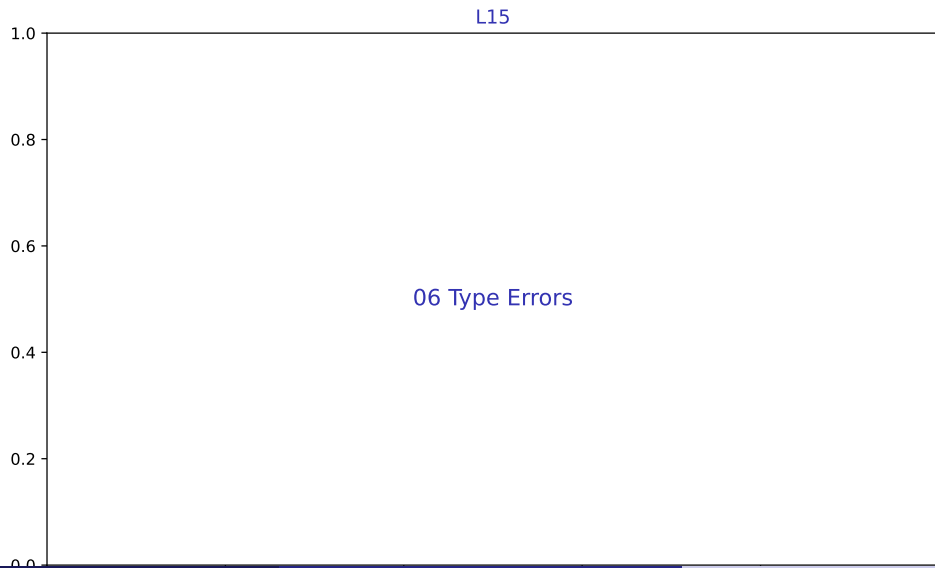




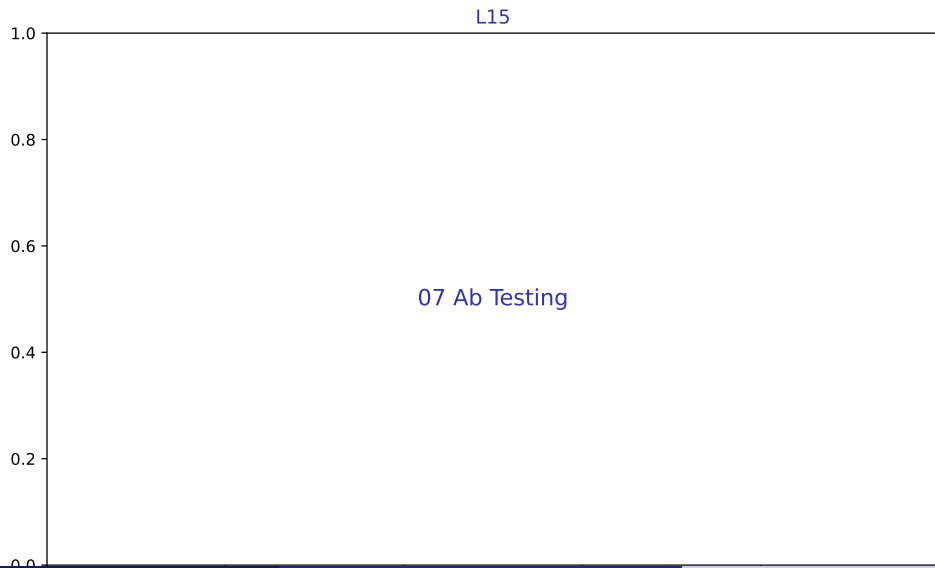


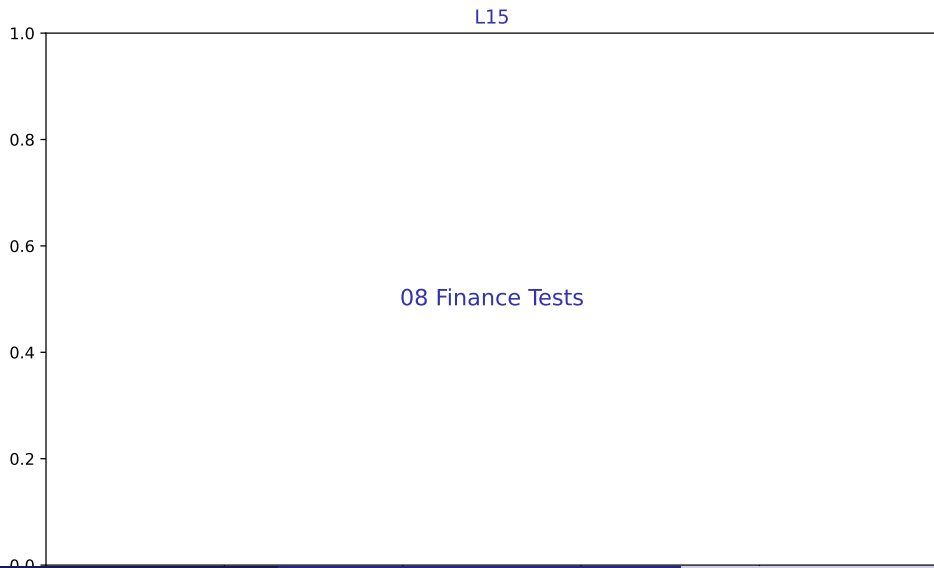












### Key Takeaways:

- Formulate null and alternative hypotheses
- Perform t-tests
- Interpret p-values correctly
- Construct confidence intervals

Statistics + Visualization = Data Science foundation