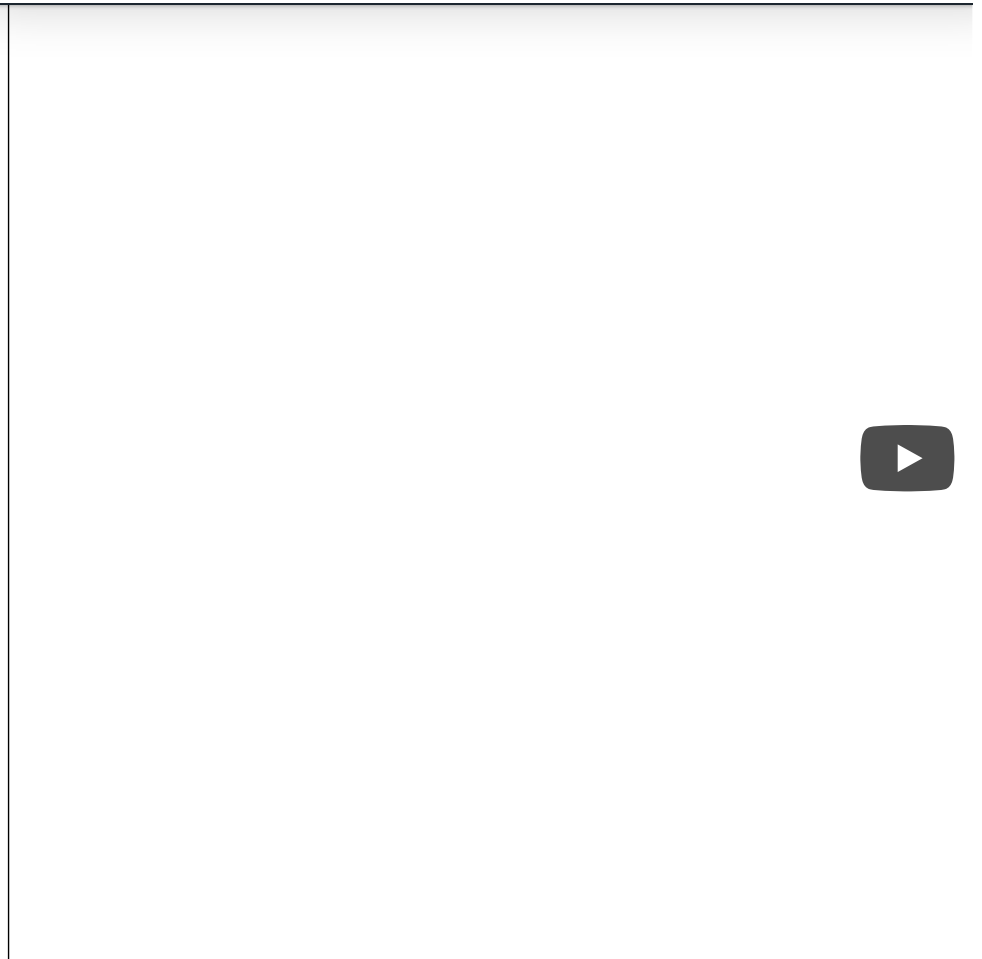


SEARCH 

RESOURCES

CONCEPTS

- ✓ 1. Introduction to Data Visualization
- ✓ 2. Motivation for Data Visualization
- ✓ 3. Further Motivation
- ✓ 4. Exploratory vs. Explanatory Analys...
- ✓ 5. Quiz: Exploratory vs. Explanatory
- ✓ 6. Visualization in Python
- 7. Course Structure
- 8. Lesson Summary



Python Data Visualization Libraries

In this course, you will make use of the following libraries for creating data visu

- **Matplotlib**: a versatile library for visualizations, but it can take some code common visualizations.
- **Seaborn**: built on top of matplotlib, adds a number of functions to make c visualizations easier to generate.
- **pandas**: while this library includes some convenient methods for visualizir matplotlib, we'll mainly be using it for its main purpose as a general tool f

All together, these libraries will allow you to visualize data in a balance of produ for both exploratory as well as explanatory analyses.

A Quick Note about Library Versions

Some of the things that you see in this course might not work the same depend of the Python packages you have. For clarity, as of August 2018, here are the lib were used to create the course materials:

- **NumPy**: Workspaces use v1.12.1, content created with v1.14.0
- **pandas**: Workspaces use v0.20.3, content created with v0.22.0
- **Matplotlib**: Workspaces use v2.1.0, content created with v2.1.2
- **Seaborn**: Workspaces and content both created with v0.8.1



Mentor Help

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Peer Chat 2

Chat with peers and alumni