# 课业内容

**Data Analysis with Pandas and Python** offers 19+ hours of in-depth video tutorials on the most powerful data analysis toolkit available today. Lessons include:

* installing
* sorting
* filtering
* grouping
* aggregating
* de-duplicating
* pivoting
* munging
* deleting
* merging
* visualizing

#### What you’ll learn

* Perform a multitude of data operations in Python's popular "pandas" library including grouping, pivoting, joining and more!
* Learn hundreds of methods and attributes across numerous pandas objects
* Possess a strong understanding of manipulating 1D, 2D, and 3D data sets
* Resolve common issues in broken or incomplete data sets

#### Are there any course requirements or prerequisites?

* Basic / intermediate experience with Microsoft Excel or another spreadsheet software (common functions, vlookups, Pivot Tables etc)
* Basic experience with the Python programming language
* Strong knowledge of data types (strings, integers, floating points, booleans) etc

# **Pandas介绍**

**Data Analysis with Pandas and Python** introduces you to the popular **Pandas** library built on top of the Python programming language.

**Pandas** is a powerhouse tool that allows you to do anything and everything with colossal data sets -- analyzing, organizing, sorting, filtering, pivoting, aggregating, munging, cleaning, calculating, and more!