Business Programming (using Python)

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Main topics

- Homework #1 is released and is due by Sep 3rd at 11:59 pm (EST)

- Introduction to Python (Fundamentals)

Part 1: Homework #1

Homework #1

- Canvas page -> Assignments

- Download the Jupyter Notebook file with a '.ipynb' extension

Part 2: Introduction to Python (Fundamentals)

Library is..

- "In Python, a library is a collection of precompiled modules that provide additional functionality for various tasks."

Library

- Libraries used in this course: **numpy**, **pandas**, **matplotlib** (do not reinvent the wheel, if at all possible!)

- Numpy is an array manipulation library, used for linear algebra, Fourier transform, and random number capabilities.
- Pandas is a library for data manipulation and data analysis.
- Matplotlib is a library which generates figures and provides graphical user interface toolkit.

Fundamentals

- Use Python as Calculator

- Data Structure: **List** and **Data frame**