Lecture 2: Build your working environment Part II

COSC 526: Introduction to Data Mining

THE UNIVERSITY OF TENNESSEE KNOXVILLE

Instructors:

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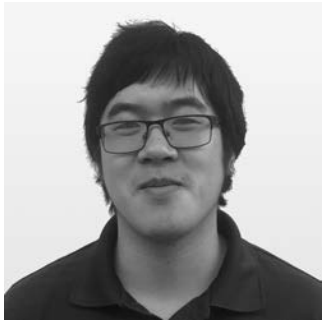
Assistants to the Instructor:

Ian Lumsden



Nigel Tan

Kae Suarez

Paula Olaya

Leo Valera

Course Repository

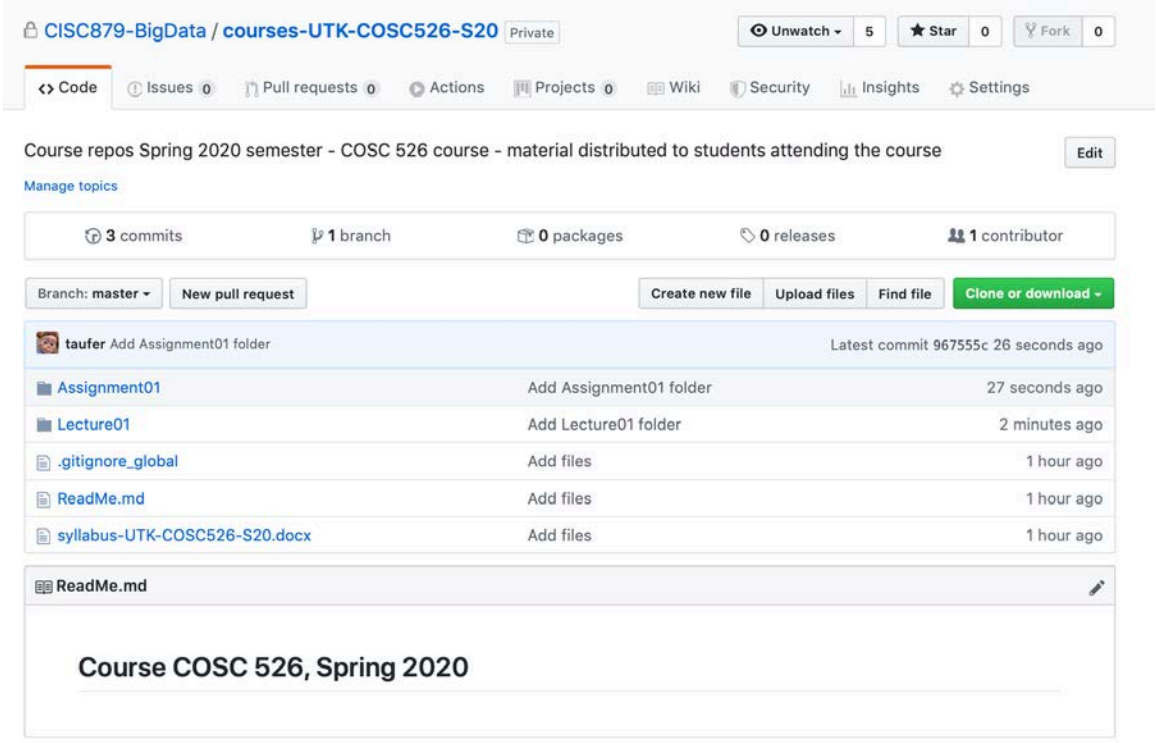
Clone our Class Repository

- Using either the GitHub Desktop app or the git CLI, clone the class repo:

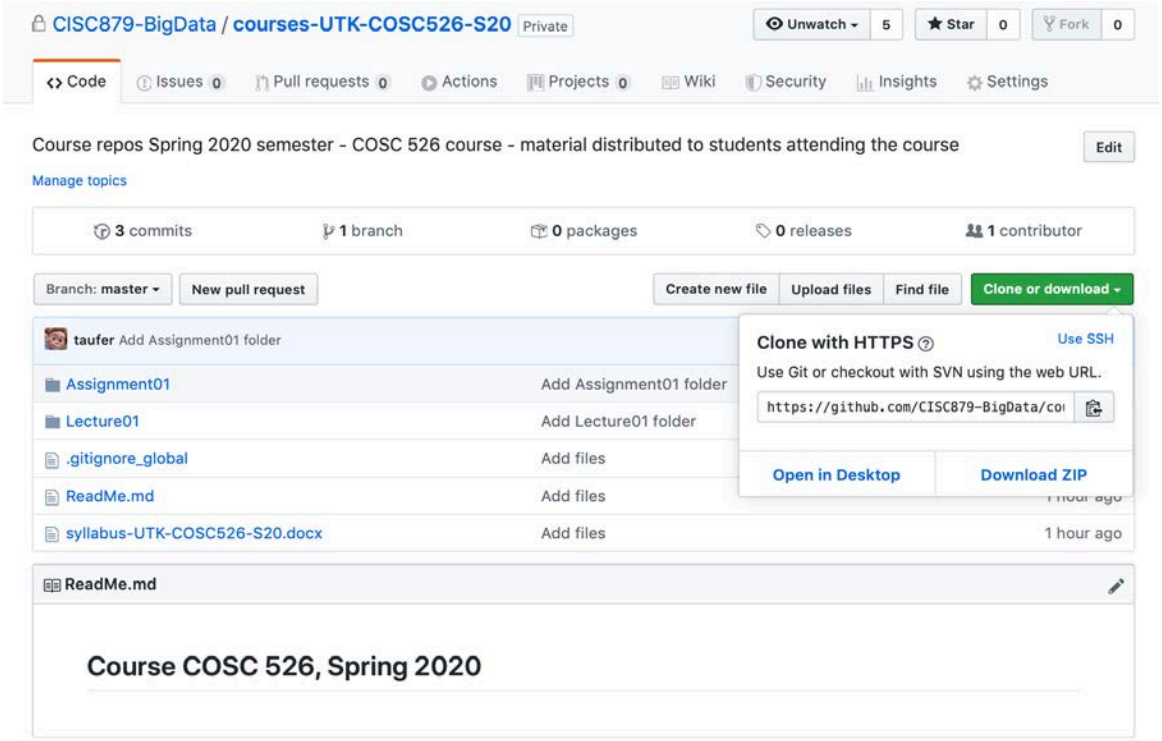
  https://github.com/CISC879-BigData/2021S-COSC526

Clone the course repository

https://github.com/CISC879-BigData/courses-UTK-COSC526-S21



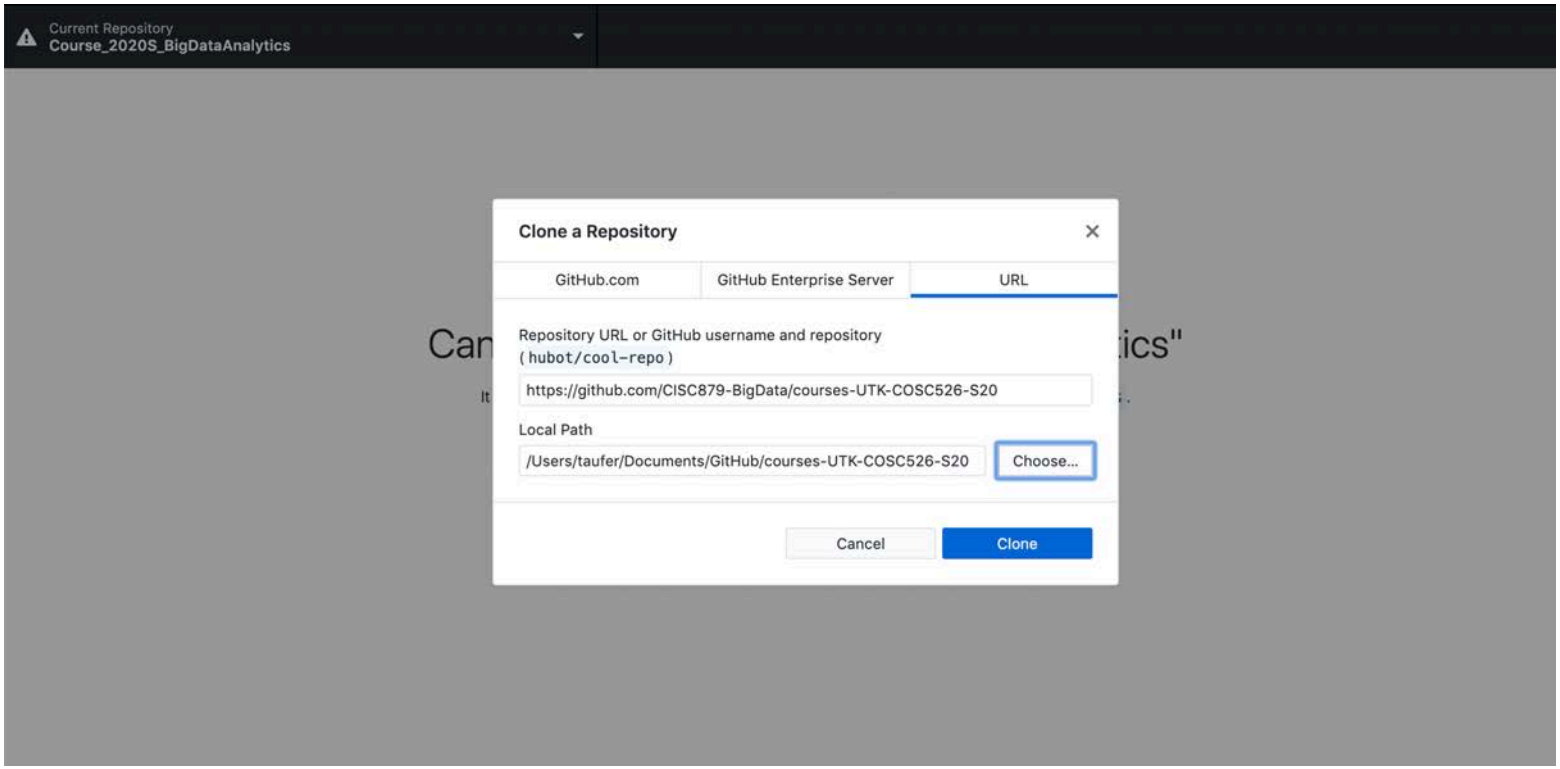
Clone the course repository



Open from CLI

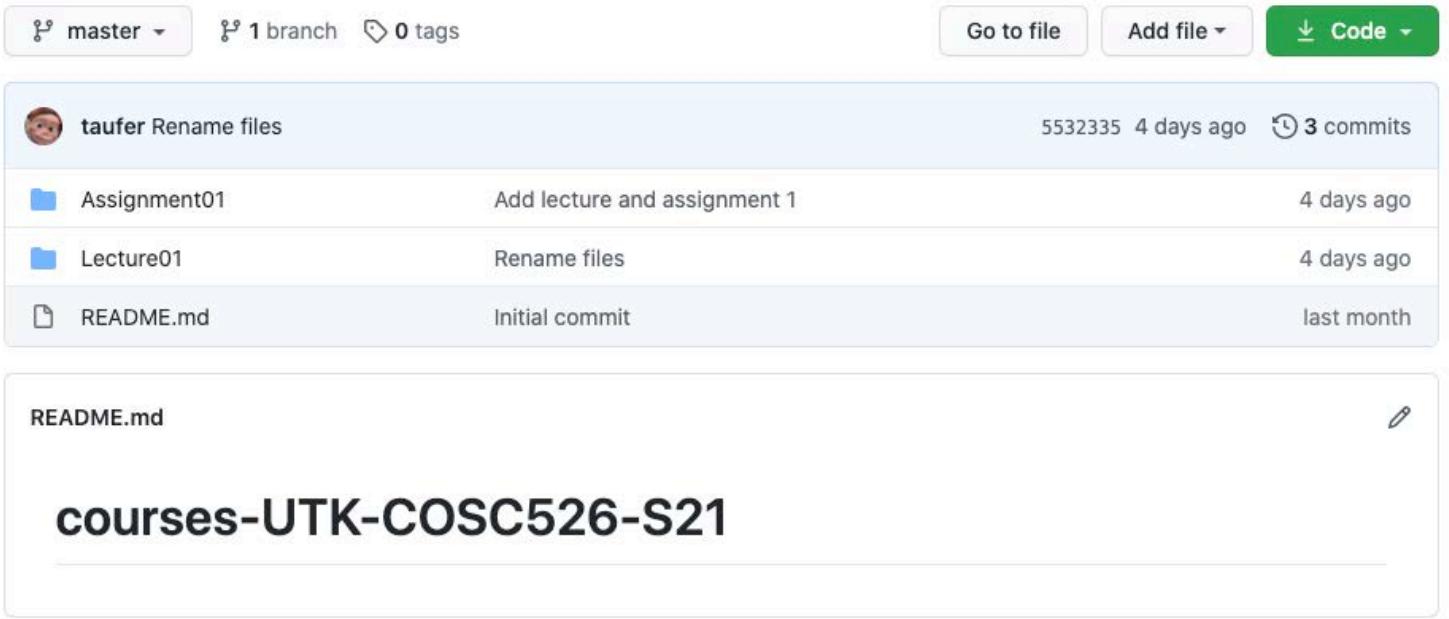
$ git clone https://github.com/CISC879-BigData/courses-UTK-COSC526-S21.git

Open from GitHub Desktop



Get Ready for Lecture 2

- Get your GitHub repository ready for Assignment



Python, Anaconda, Jupiter Notebook

Python and Anaconda

- **Python:** It is Python 3.7!
- **Anaconda:** Python distribution
  - Include many popular packages by default, including Jupyter notebook
  - Make installing additional packages easy
- Your task:
  - Install Anaconda and launch the Jupyter notebook

Install Anaconda

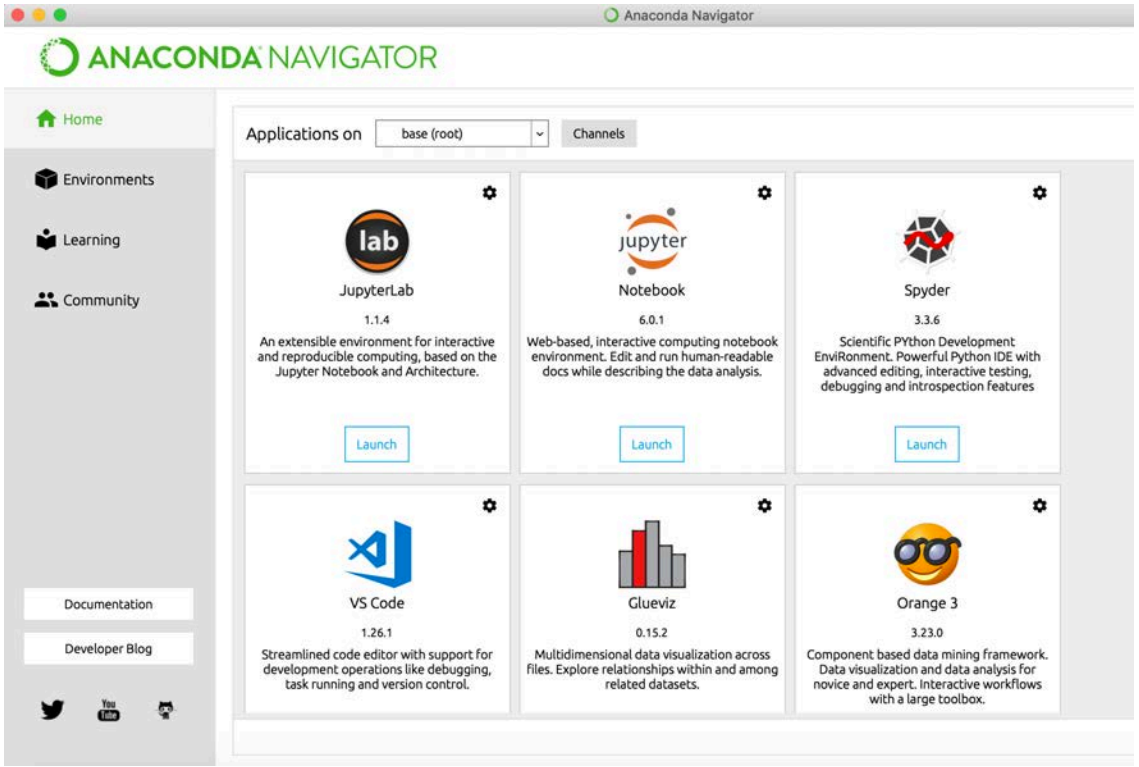
- To install Anaconda (Distribution, not Enterprise or Cloud), follow the installation instructions for your operating system:
- Windows

  https://docs.anaconda.com/anaconda/install/windows/
- Mac

  https://docs.anaconda.com/anaconda/install/mac-os/
- Linux

  https://docs.anaconda.com/anaconda/install/linux/

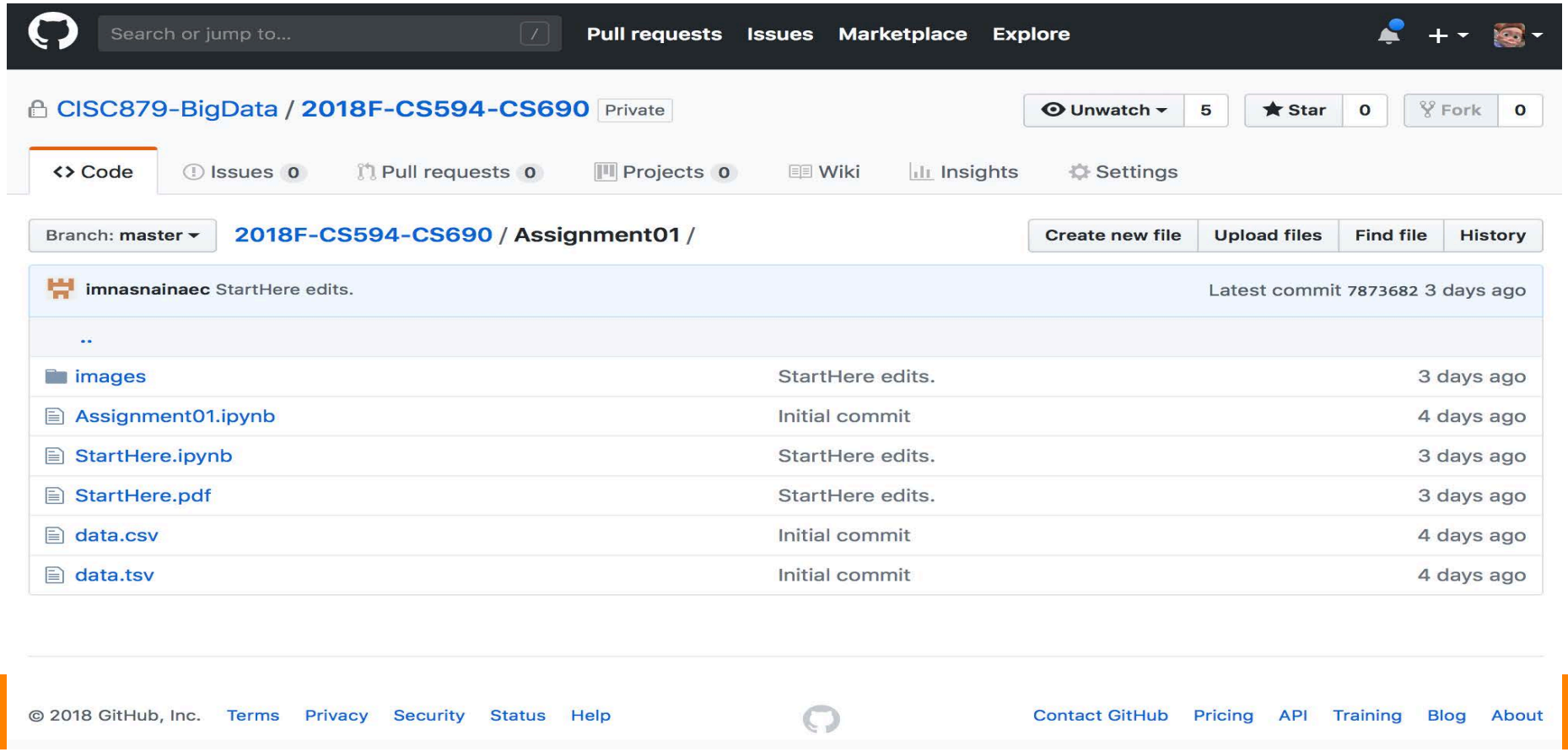
Anaconda Navigator



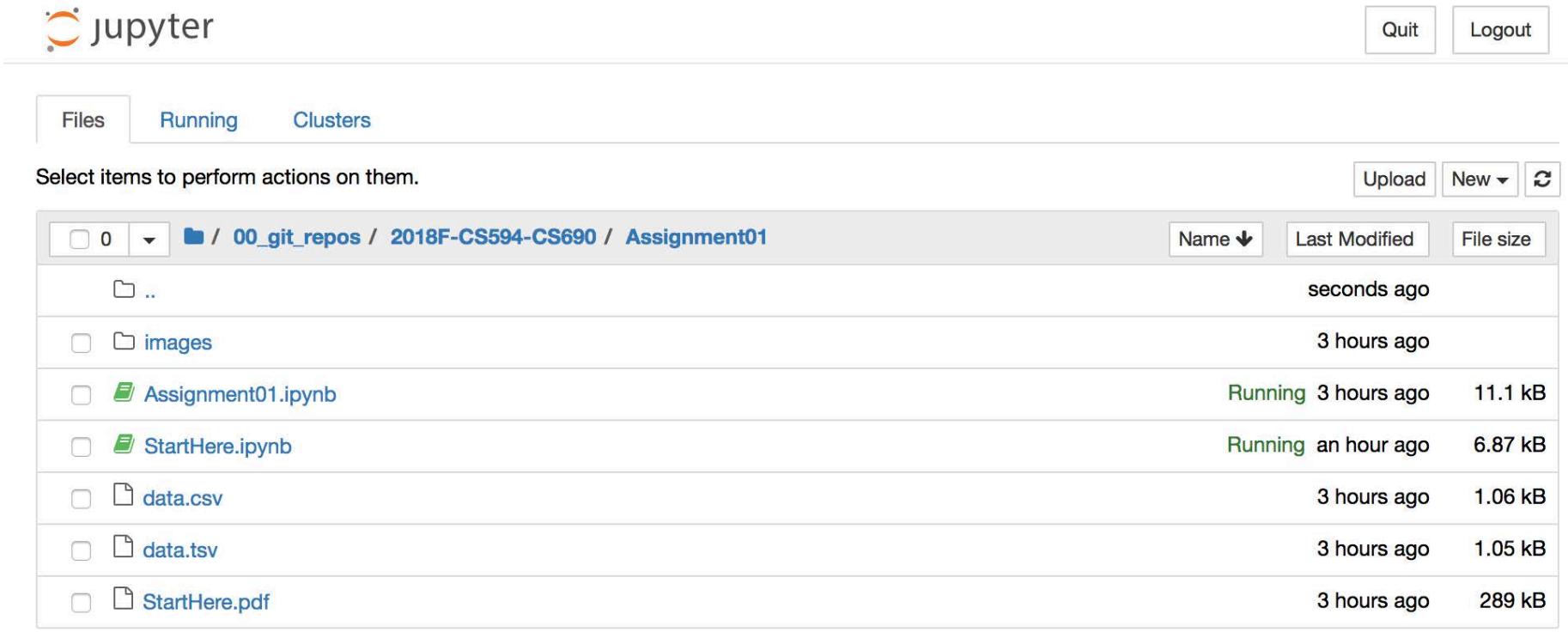
Jupyter Notebook

- **Jupyter notebook:** Our notebook for data analytics
- Programming in a browser
  - Create code in a cell – code in edit mode
  - Run code in a cell – code in command mode
  - Write text before and after code cells – markdown
- Your task:
  - Launch Jupyter from Anaconda GUI (or command line)

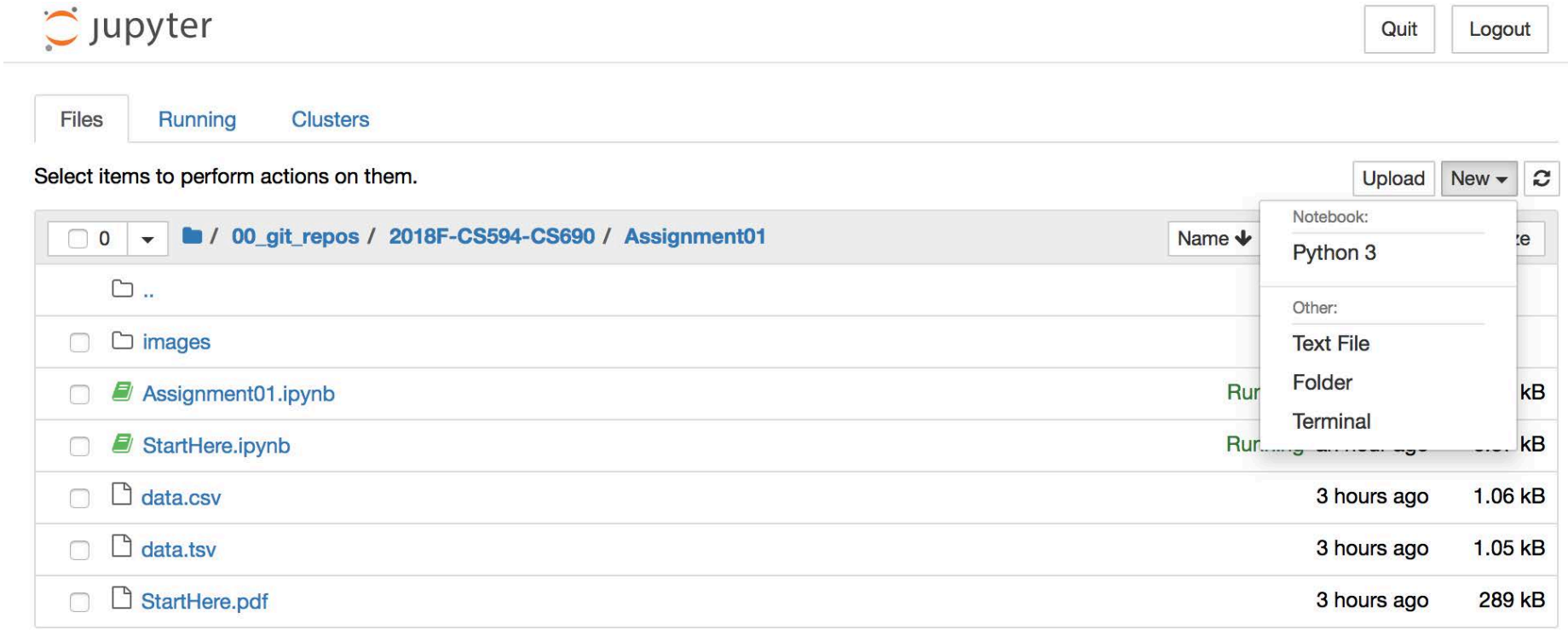
Open your assignment directory



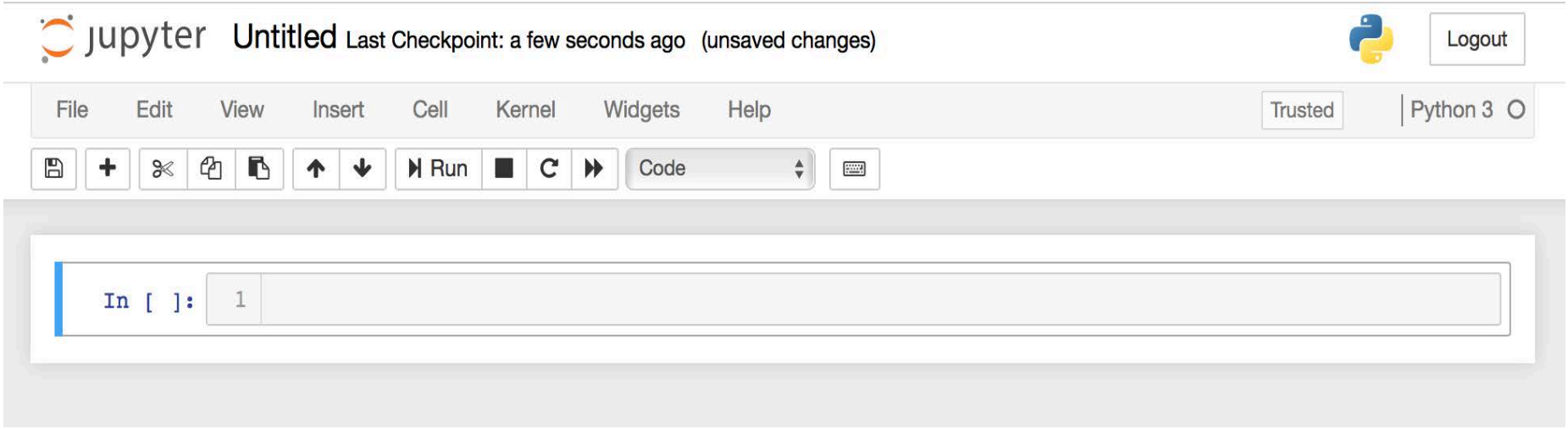
Open your assignment directory



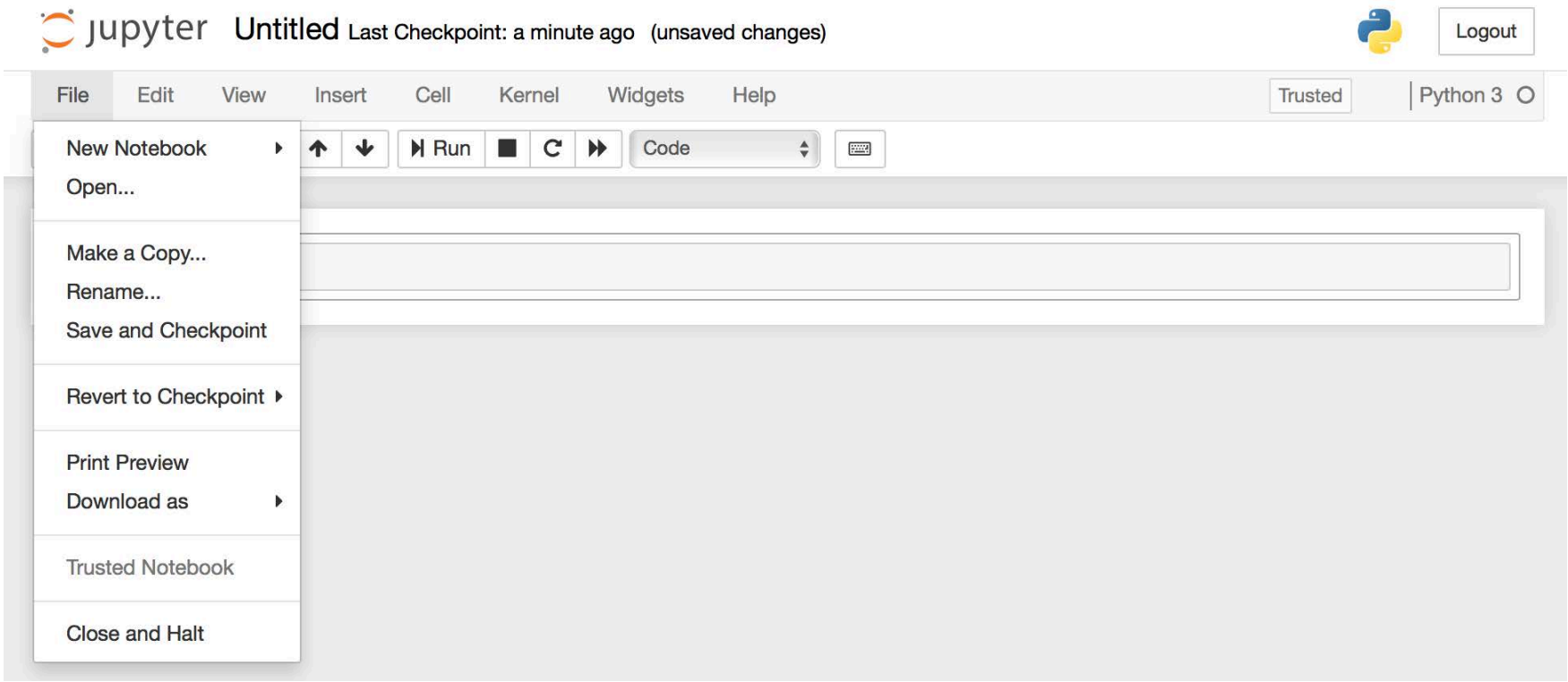
Create your own notebook



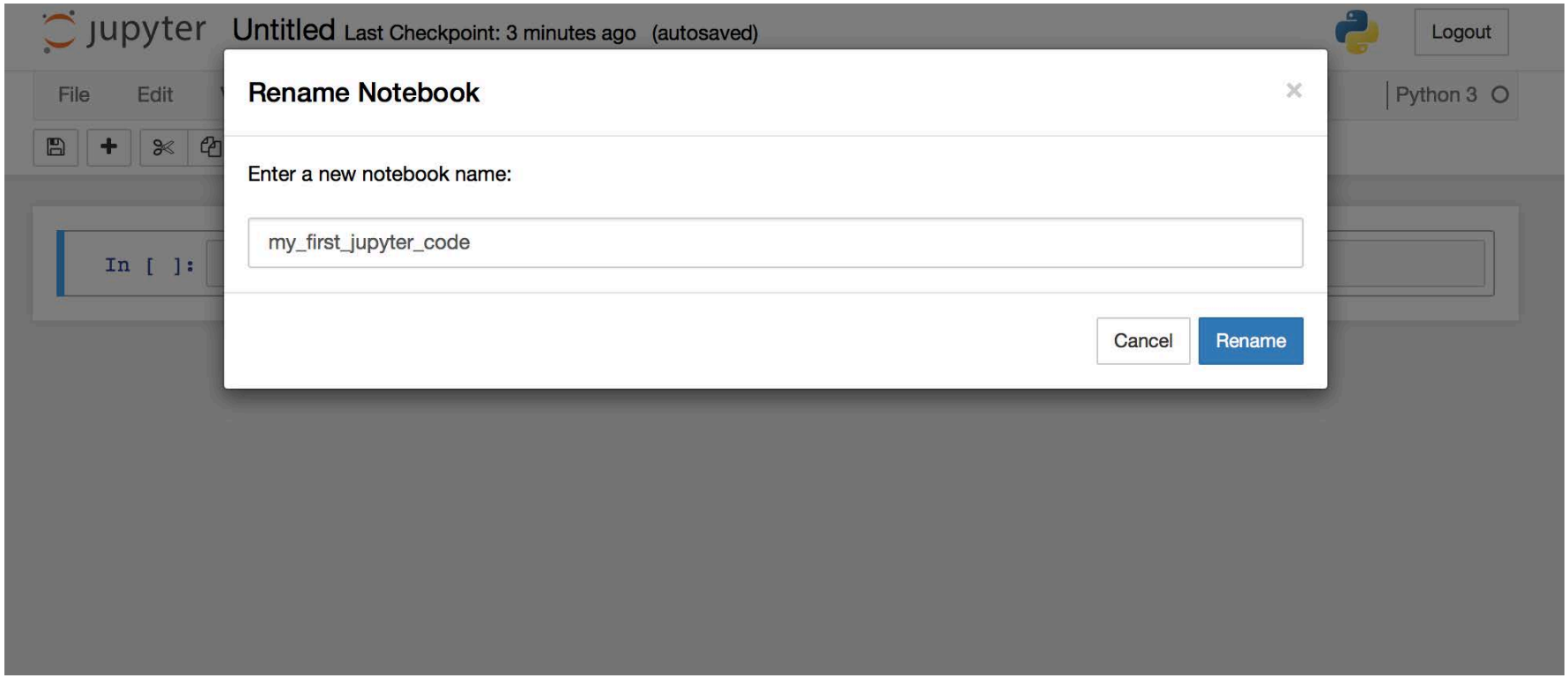
Create your own notebook



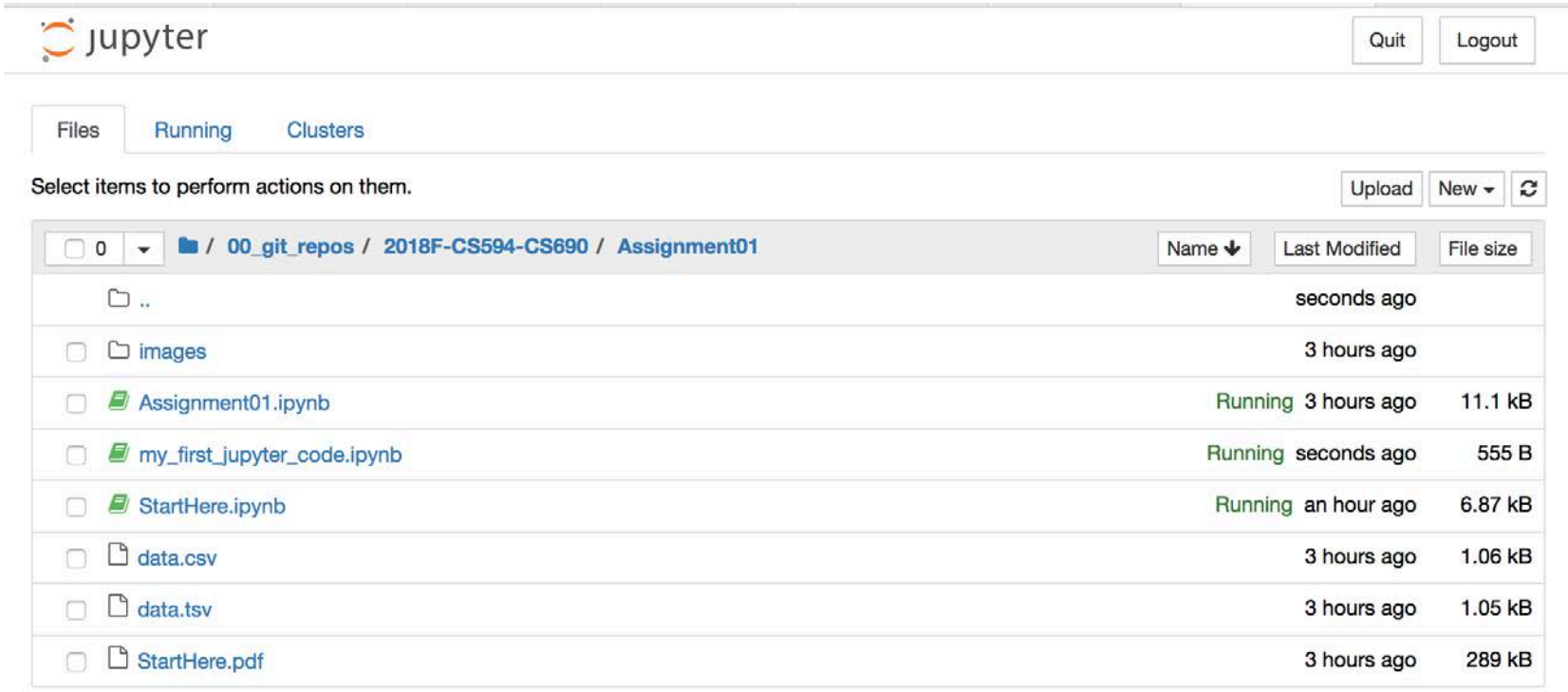
Create your own notebook



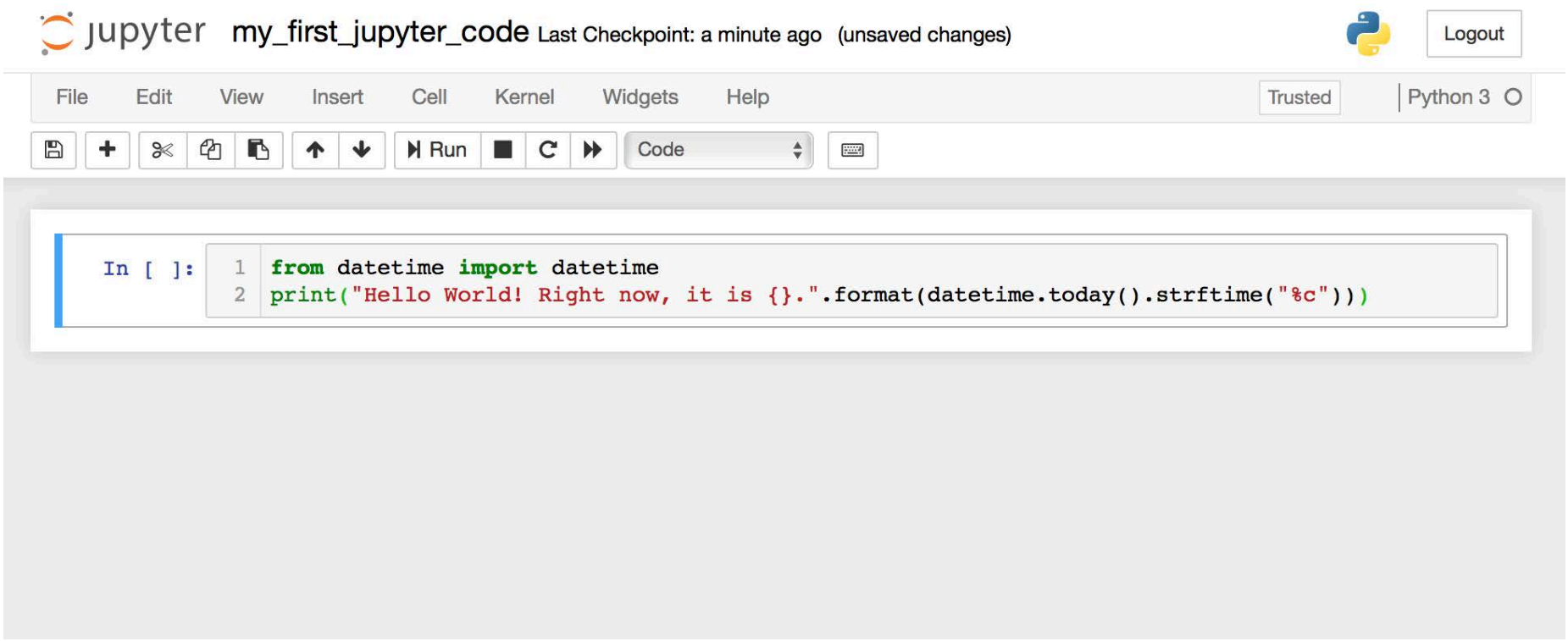
Rename the file



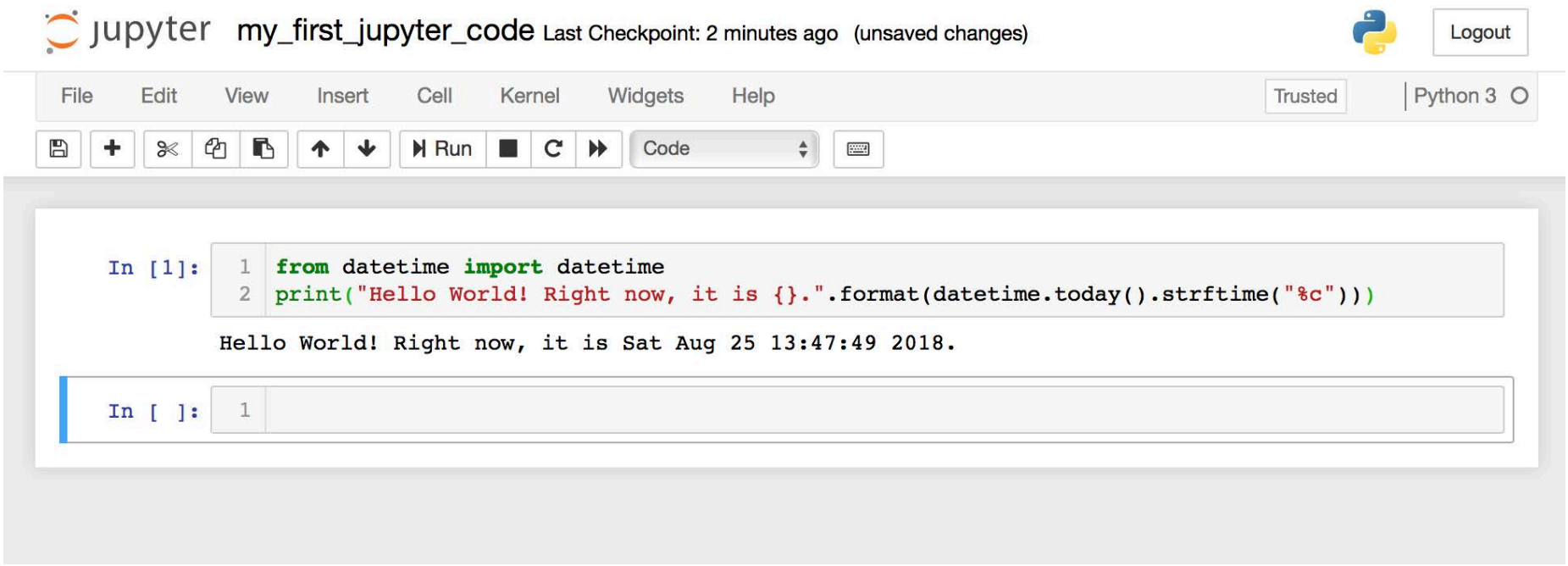
Create your own notebook



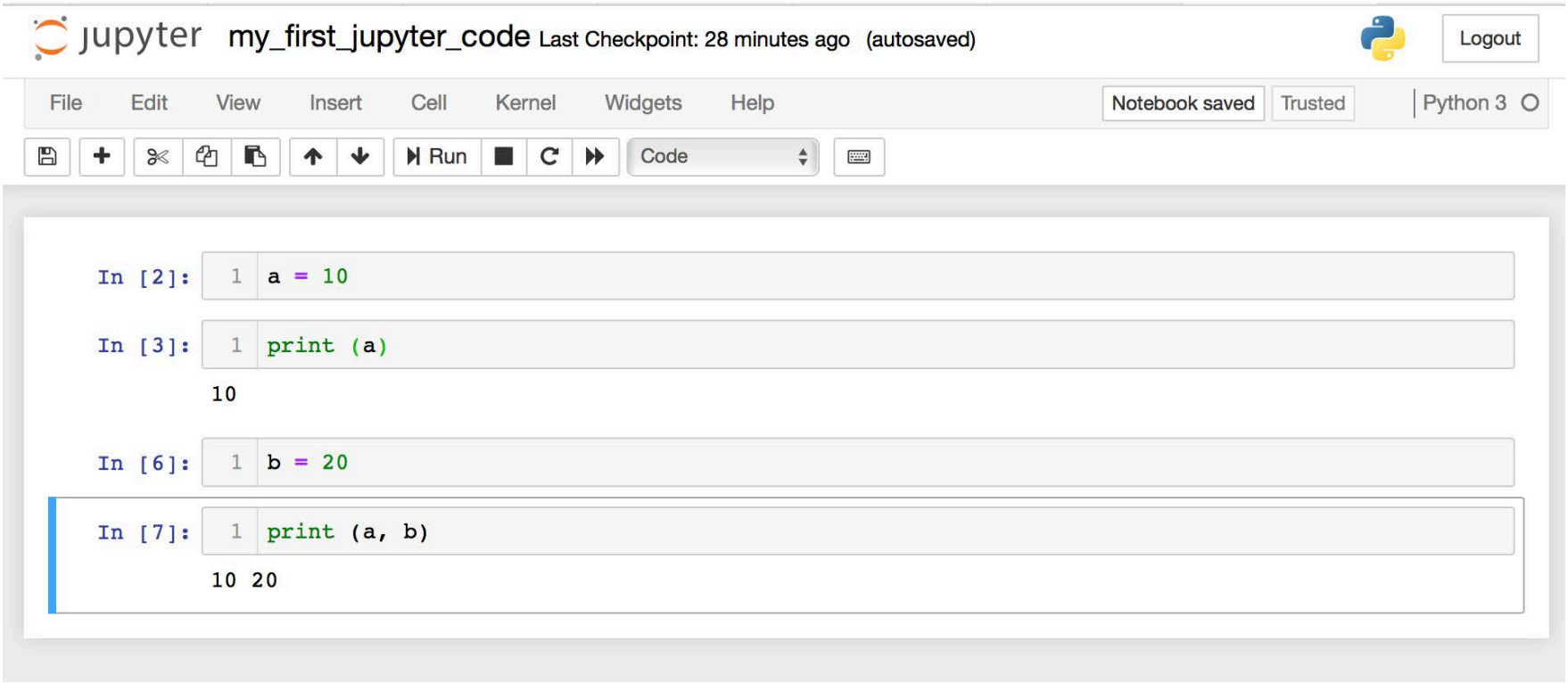
Create a code cell



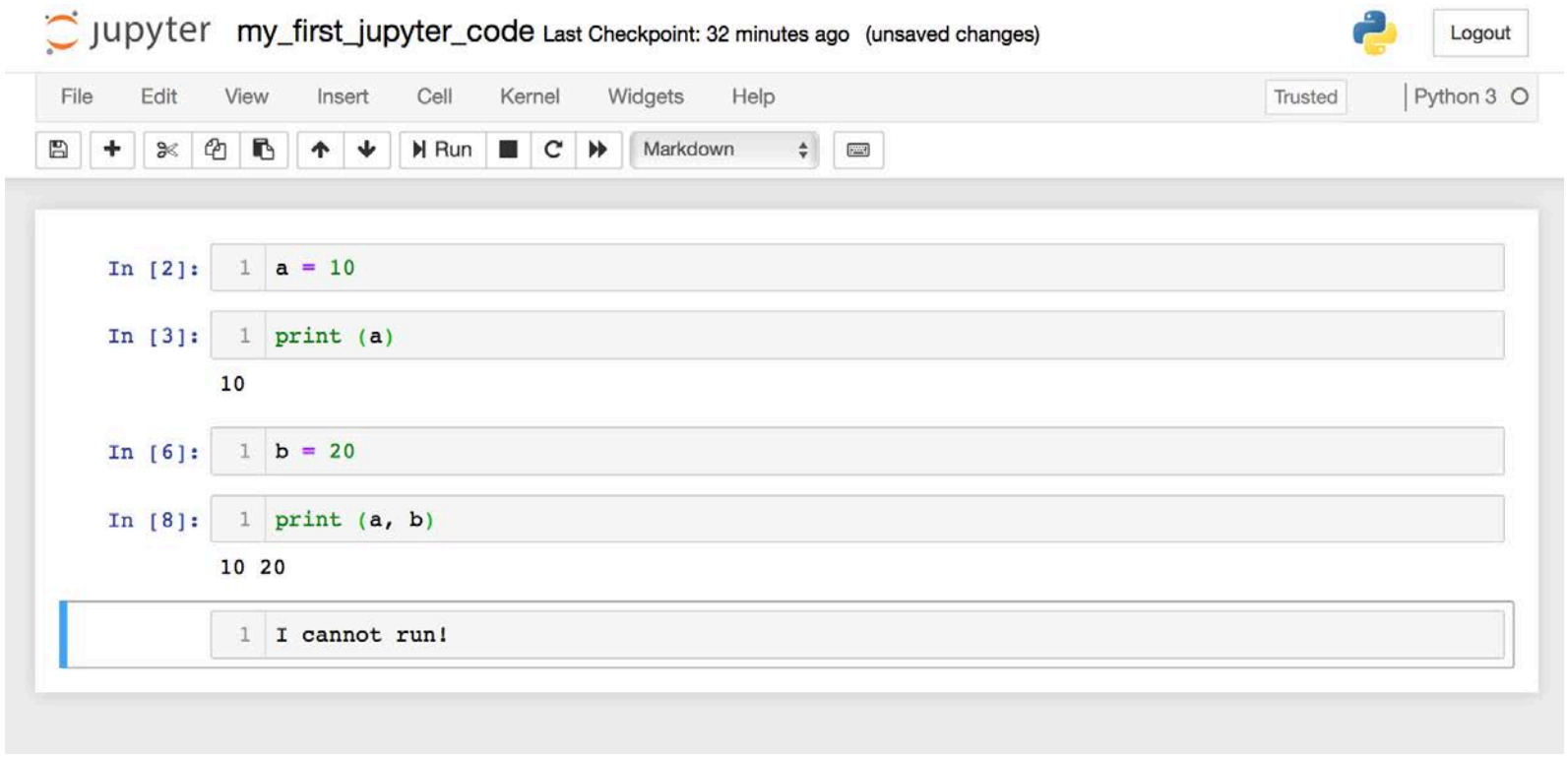
Run your code code



Propagations: from cell to cell



Add text to your notebook



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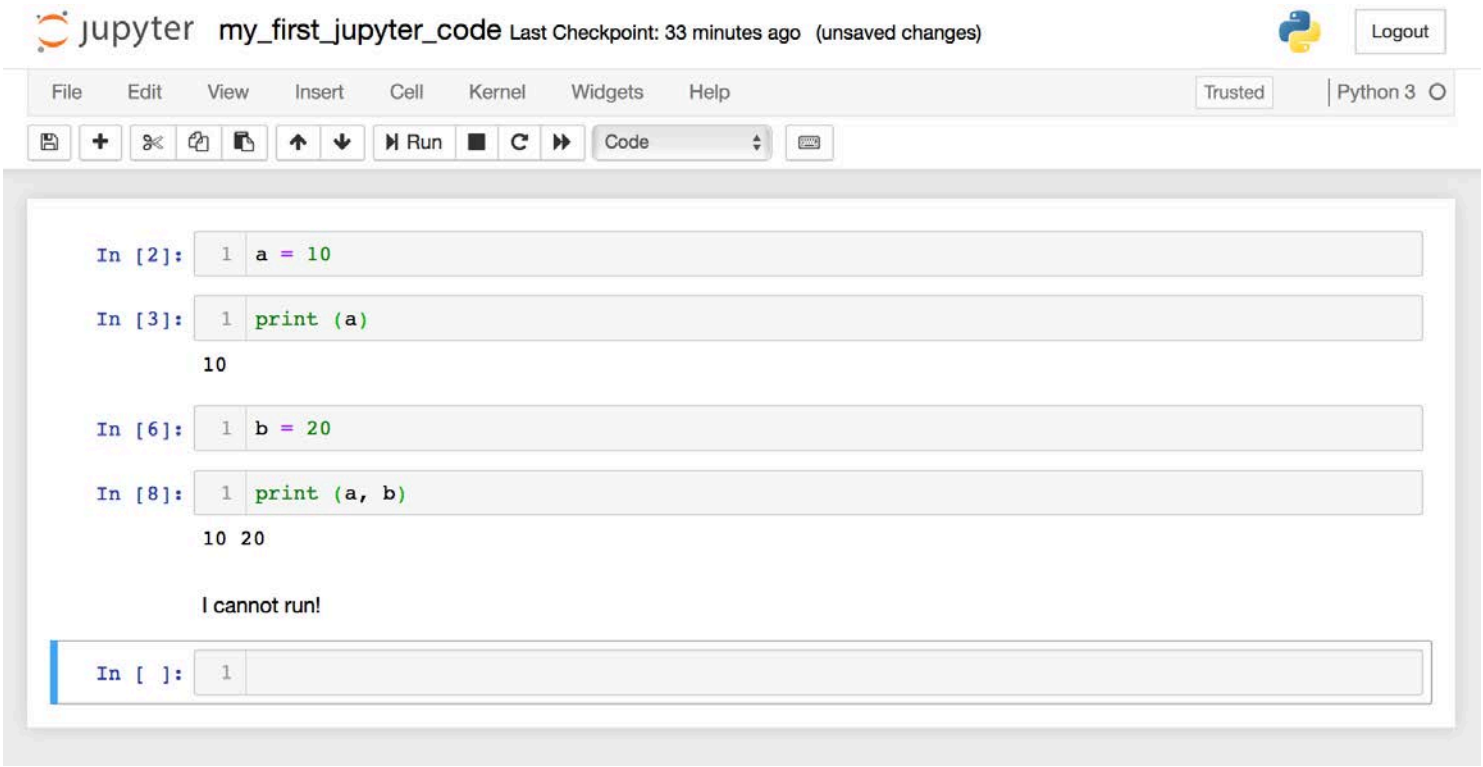

We are ready to start ….