

Make your computer work for you!

Learn how to use Python to program your tasks - Part 1

Rutgers Libraries - NB Data Science Workshop Series

Pratiksha Sharma

Oct 27, 2022

Fall 2022 Hours

Pratiksha Sharma - Data Science Graduate Specialist

Email: pratiksha.sharma@rutgers.edu

Topics: Data Science, Tableau, Python, SQL & NoSQL Databases

Office Hours (by appointment):

Thursday 12:30 - 01:00 pm (on days when workshop ends at 12:30 pm)

Thursday 01:00 - 01:30 pm (on days when workshop ends at 01:00 pm)

General Consultation: Request an appointment via email

Location:

[Zoom Meeting Link](#)

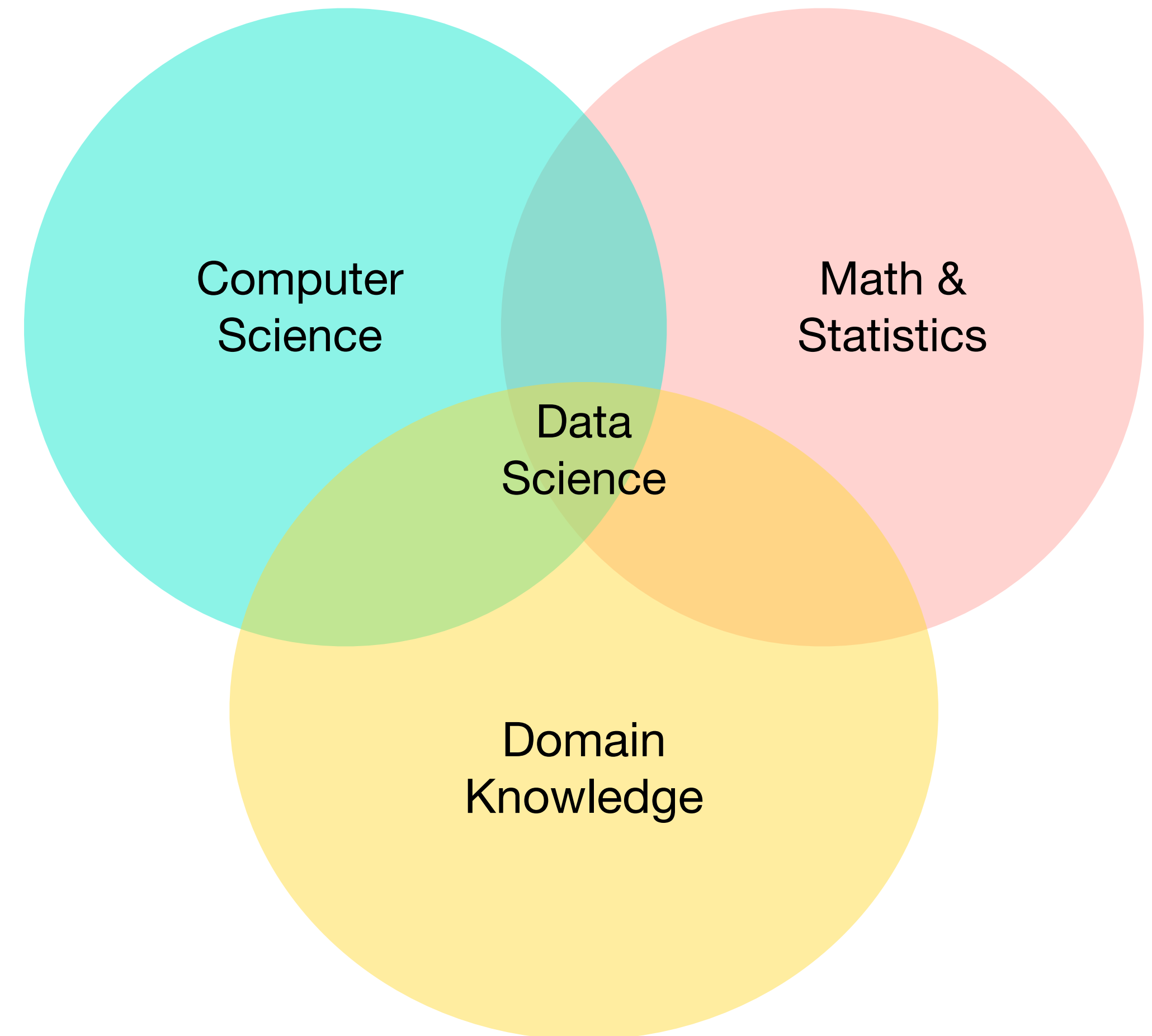
Meeting ID: 926 5210 0393

Passcode: 772895

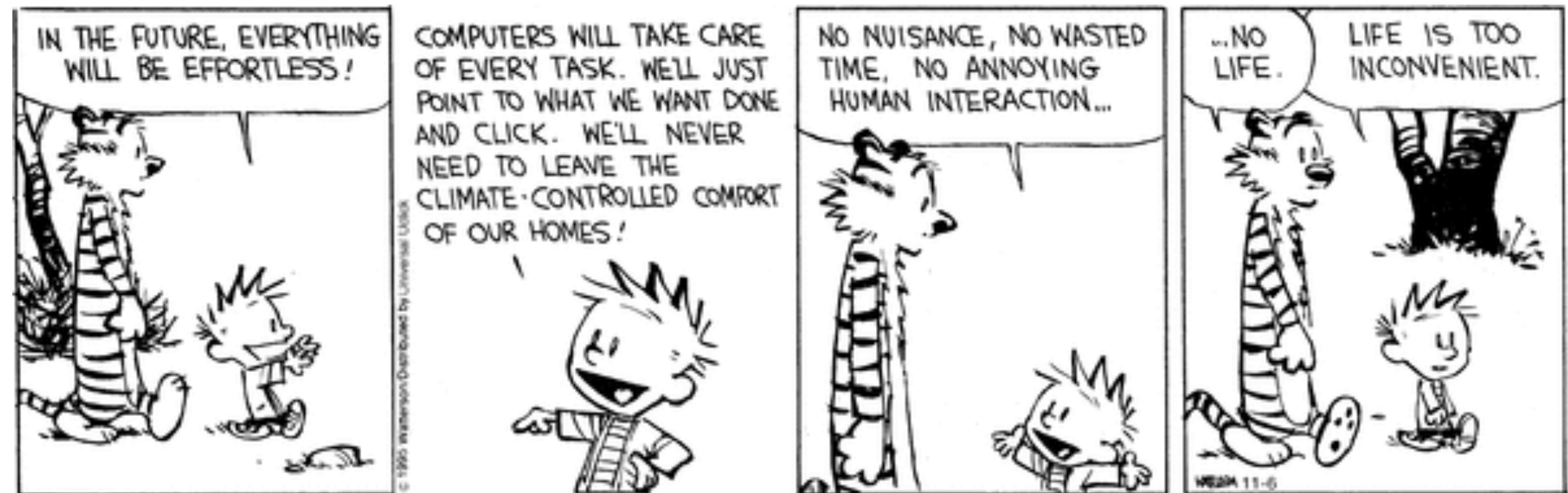
Quick Look: Data Science

What's all the fuss about?

- A combination of Maths & Statistics, Computer Science and Domain Knowledge.
- This workshop is on Programming - concentrates on the **Computer Science**!
- You don't need to be an expert - but data science is a part of everyday life!



Motivation



Source: Bill Waterson | Universal Press Syndicate

Before we begin..

- We will be using Python3 & Jupyter Notebooks in this workshop
- You are encouraged to participate & interact!
- Materials would be provided in the Zoom chat & will be available later on with the workshop materials on: [Rutgers Libguides Data Science Workshops](#)

`print("Hello World!")`

- Python is a High Level Programming Language that works on different platforms (OS)
- It is very close to the actual English language, and was designed with simplicity and readability in mind
- In most cases, it requires shorter, more easily legible syntax to finish work with fewer lines of code as compared to some of the other languages
- It requires writing structure to act as a sentence completer, scope definer rather than characters like parentheses or semi-colons or curly braces
- Your very first command trial of the language is given in the title of this slide!
- Fire up your Jupyter Notebook!

Takeaway:

Get the most granular level control of your data!

Upcoming Workshops

<https://libcal.rutgers.edu/nblworkshops>

- “Make your computer work for you!” Explore popular Data Science libraries in Python - Part 2 : Nov 03
- “Make it mine!” Explore different libraries in Python for specific tasks : Nov 10
- “But where do I keep this?!” Using SQL & NoSQL Databases to store your data : Nov 17

Feedback Form

[https://rutgers.libwizard.com/f/graduate specialist feedback](https://rutgers.libwizard.com/f/graduate_specialist_feedback)