



Women Who Code DC

INTRO TO DATA SCIENCE

October 16, 2019

CODE OF CONDUCT

WWCode is a non-profit organization dedicated to inspiring women to excel in technology careers. We are committed to our mission statement and equally committed to providing a harassment-free experience for everyone regardless of gender, gender identity and expression, sexual orientation, ability, physical appearance, body size, race, ethnicity, age, religion, socioeconomic status, caste or creed. We do not tolerate harassment of event participants in any form. Event participants violating these rules may be sanctioned or expelled permanently, at the discretion of the event organizers, which in most cases are members of the WWCode leadership team.

MONTHLY PYTHON LAB

WWCode has a monthly Python lab on the 3rd Wednesday and a Beginners Night @Fiscal Note every other first Wednesday of the Month from 6:30-8:30pm.

JOIN THE SLACK COMMUNITY

Join the Slack community at <http://bit.ly/wwcdcslack>

PRESENTED BY:

SABA ALI

MARISSA WIENER

In partnership with:

DC FemTech
WiDS

Introduce yourselves! :)

Get to know your
neighbors, they are going
to be your lab buddies.

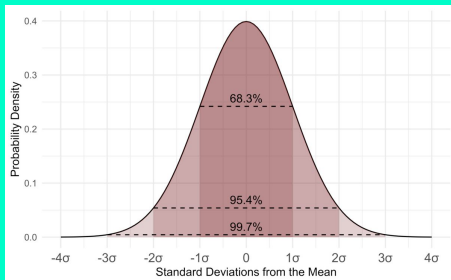
WHAT IS DATA SCIENCE

The science of data?

Yes! Data science is the study of data. It involves developing methods of recording, storing, and analyzing data to effectively extract useful information. The goal of data science is to gain insights and knowledge from any type of data – both structured and unstructured. (our lab will cover this process)

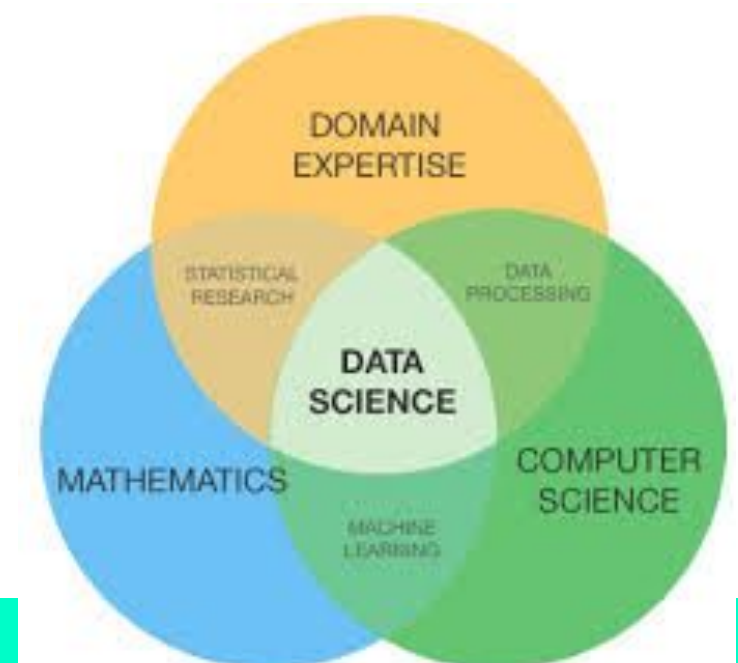
A BRIEF HISTORY OF DATA SCIENCE

“Data Science started with statistics, and has evolved to include concepts/practices such as Artificial Intelligence, Machine Learning, and the Internet of Things, to name a few. With growth of the Internet, the Internet of Things, and the exponential growth of data volumes available to enterprises, there has been a flood of new information or Big Data. Once the doors were opened by businesses seeking to increase profits and drive better decision making, the use of Big Data started being applied to other fields, such as medicine, engineering, and social sciences.”



“A Data Scientist has a good understanding of software architecture and understands multiple programming languages. The Data Scientist defines the problem, identifies the key sources of information, and designs the framework for collecting and screening the needed data.

Software is typically responsible for collecting, processing, and modeling the data. They use the principles of Data Science, and all the related sub-fields and practices encompassed within Data Science, to gain deeper insight into the data assets under review.” (dataversity.net)



LET'S PRACTICE!

https://colab.research.google.com/drive/15Jr3B2LlyO6pUZPUjwk-HHXUCcw-8Kca#scrollTo=XXOW_3KjyxS4

THINGS TO DO

Python labs meet every 3rd Wednesday of the month.

Python Beginners night meet every 1st Wednesday of the month.

We're on slack!

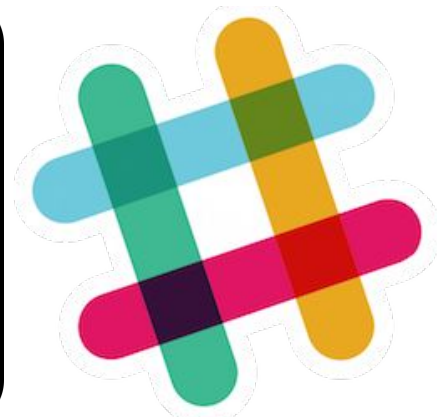
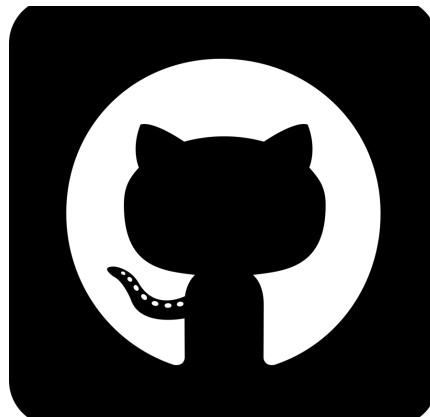
Workspace: `womenwhocodedc`

Visit the git!

There are past workshops and labs there if anyone would like to practice!

Interested in volunteering?

Let's talk after!



WOMEN WHO
CODE®