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COURSE DETAILS

**Data Analysis Using Python**

Python is the language of the future. It is the top programming language (IEEE – 2018 and 2019) due to its simplicity and vast application in Data Analysis and other fields. Also, it has been the top programming language by salary and job openings in 2019 (codeplatoon.org). In this course, the students will learn the basics of python programming and apply it to import data sets, clean and prepare data for analysis and visualize datasets. There will be one data analysis project, using the publicly available data sets from kaggle or data.world.

Status	Registration Not Available
Course Code	CM54S20
Session	Spring 2020
Category	Computers & iDevices
Days	W
Dates	3/11/2020 - 5/06/2020
Times	5:30 PM - 6:30 PM
# of Classes	8

Alternate Schedule no class 4/8

Instructor Srivastava, Vandana

Instructor Bio *Vandana is Founder and CEO of ViSER LLC, a services company for individuals (providing learning resources) and businesses (providing data driven solutions). Vandana is MBA (Financial Management) from Pace University, NY and MS (Mathematics) from Arizona State University, AZ. She has worked as Vice President (Tantiv4), Incentive Analyst (IBM), in USA and as Assistant Professor of Computer Science and Mathematics in different Engineering Colleges in India. Vandana loves to teach and wants the next gen to get trained for the future starting today.*

Location Online Class,

Fee(s)

\$ 240 Course Fee

\$ 240 Total Fees

Mail: The Center for Continuing Education
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Mamaroneck, NY 10543

Telephone: 914-698-9126

Fax:

Email: dcashman@mamkschools.org

Our office is located in room 126 of the Palmer Building, Mamaroneck High School, building 2 on the campus map. Click for Campus Map

Walk-in:

Directions to The Center's office in the Palmer Building of Mamaroneck High School. **DO NOT FOLLOW directions from Mapquest, Google Maps or your car's GPS. Directions from those sources will lead you to the Post Road building.** Follow these directions instead: From either Palmer Ave. or Boston Post Rd. in Mamaroneck, turn onto Rockland Ave. Turn onto Carpenter Place. At the end of Carpenter, turn right at the stop sign. Make your first left into the driveway of the building (ignore the one-way sign) and you may park in any staff parking space. Keeping the school on your left, the entrance to the building is around the front, across from the flag pole in the circular driveway.

Office Hours:

Monday - Thursday, 9:00 am - 12:00 pm. September - June

Diane Cashman (Executive Director)
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Staff Members:

Craig Romanek (School Coordinator)
cromanek@mamkschools.org



Python Bootcamp II: Applying Code to Data Analysis

Basic facility with coding language is not just a necessity for tech jobs; its become an essential job skill for careers in finance, marketing, journalism and beyond. Python is the preferred coding language for Data Scientists throughout the world due to its simplicity and vast application packages.

This four day program builds on skills acquired in the Intro class to by employing them in a hands on data analysis project, using the publicly available data sets from NYC OpenData. Students learn to use the tools to import, clean, prepare, analyze and visualize datasets, and to extract useful insights.

Basic knowledge of python/programming or successful completion of the Intro bootcamp is required. Students that opt to take the final exam and receive a passing grade will receive a certification letter for the Python program from the instructor's company.

Status	Registration Available
Course Code	CM55S20
Session	Spring 2020
Category	online classes
Days	M Tu W Th
Dates	5/04/2020 - 5/07/2020
Times	6:00 PM - 7:30 PM
# of Classes	4
Alternate Schedule	Class runs 6/16, 6/17, 6/18
Instructor	Srivastava, Vandana
Instructor Bio	<i>Vandana is Founder and CEO of ViSER LLC, a services company for individuals (providing learning resources) and businesses (providing data driven solutions). Vandana is MBA (Financial Management) from Pace University, NY and MS (Mathematics) from Arizona State University, AZ. She has worked as Vice President (Tantiv4), Incentive Analyst (IBM), in USA and as Assistant Professor of Computer Science and Mathematics in different Engineering Colleges in India. Vandana loves to teach and wants the next gen to get trained for the future starting today.</i>
Location	Mamaroneck High School Palmer Building, 107 (directions) Palmer Avenue Entrance Mamaroneck , NY 10543

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COURSE DETAILS



NEW OFFERING

Data Visualization Techniques Using Python

Data Visualization is the technique of presenting data and analysis with graphs, charts and maps. It is a very important part of Data Analysis because it is easy to understand and can be used to detect patterns, trends and outliers in the data. Learn how to use Python libraries; Matplotlib and Seaborn for advanced charts and Bokeh for interactive and geographical charts. The students will be taught to create and interpret charts, from publicly available data. It is ---- preferred (not required) to have prior experience with python programming.

Status	Registration Available
Course Code	CM57SU20
Session	Summer 2020
Category	College Prep/STEM
Days	M Tu W Th
Dates	7/13/2020 - 7/16/2020
Times	6:00 PM - 7:30 PM
# of Classes	4
Instructor	Srivastava, Vandana
Instructor Bio	<i>Vandana is Founder and CEO of ViSER LLC, a services company for individuals (providing learning resources) and businesses (providing data driven solutions). Vandana is MBA (Financial Management) from Pace University, NY and MS (Mathematics) from Arizona State University, AZ. She has worked as Vice President (Tantiv4), Incentive Analyst (IBM), in USA and as Assistant Professor of Computer Science and Mathematics in different Engineering Colleges in India. Vandana loves to teach and wants the next gen to get trained for the future starting today.</i>
Location	Online Class,

Fee(s)	
\$ 135	Course Fee
\$ 135	Total Fees

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You must sign into your account or create a new account to add to your cart.

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NEW OFFERING

Bootcamp I: Intro to Python

Python is one of today's most popular and fast-growing programming languages due to its simplicity and vast applications in data science, software development, website production, machine learning, and AI. It is becoming an essential skill for a range of professions even outside of tech fields.

This introduction to Python is for students with no programming background, or those with very basic knowledge that would like to learn Python basics in detail. In this class we cover the following topics:

1. Installation (free software/downloads): Python, different IDE (Jupyter Notebook, IDLE, PyCharm etc), packages (numpy, pandas, matplotlib etc)
2. Programming basics (with examples):
 1. Basic data types, mathematical operations, print(), input()
 2. Using conditional statements (if-then-else) and loops (for, while)
 3. String parsing
 4. Defining functions
 5. Data structures (lists, tuples, dictionary, set)
 6. Basic graph plotting (using matplotlib package)

After completing this program students are able to write basic programs in Python, and are prepared to complete the next level Bootcamp II: Data Analysis and receive certification in basic competency.

Status	Registration Available
Course Code	CM56S20
Session	Spring 2020
Category	online classes
Days	M Tu W Th
Dates	4/27/2020 - 4/30/2020
Times	6:00 PM - 7:30 PM
# of Classes	4
Instructor	Srivastava, Vandana

Instructor Bio

Vandana is Founder and CEO of ViSER LLC, a services company for individuals (providing learning resources) and businesses (providing data driven solutions). Vandana is MBA (Financial Management) from Pace University, NY and MS (Mathematics) from Arizona State University, AZ. She has worked as Vice President (Tantiv4), Incentive Analyst (IBM), in USA and as Assistant Professor of Computer Science and Mathematics in different Engineering Colleges in India. Vandana loves to teach and wants the next gen to get trained for the future starting today.

Location

TBA to Registered Students,

Fee(s)

\$ 135	Course Fee
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\$ 135	Total Fees
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