**Women Who Code Silicon Valley Chapter - Host Request**

Python For Data Analysis

# OVERVIEW OF EVENT

Tutorial series to teach beginners, with a basic background in Python, to get familiar with using it for Data Analysis. Introduction to various libraries and tools. Basic math and statistics will be reviewed as well.

# GOALS

1. Learn how to use Python libraries and tools for data science and coding
2. Review basic math/statistics needed for future series.
3. Preparation for future tutorial series like “Intro to Machine Learning”, “Intro to Deep Learning”.

# EVENT STYLE

* Tutorial/Lecture style
  + Main Presenter going over various topics/lessons each week.
  + Attendees will follow along on their own laptops, coding
* Volunteers will be available to help attendees with questions.
* Attendees will have homework to take home for review.
* Hands on coding project to review all concepts on last week.

# NUMBER OF ATTENDEES

* Goal: Open registration for 30- 60 people

# DATES/TIME/DURATION

* 5weeks series (From Aug 6th to September 3rd, 2019)
* Evening session - 6pm - 8:30pm
* Every Tuesday for 5 consecutive weeks
* Suggested syllabus
  + Week 1: Introduction, Numpy/Pandas
  + Week 2: Matplotlib/Seaborn
  + Week 3: Descriptive Statistics/Probability/Linear Algebra
  + Week 4: Inferential Statistics
  + Week 5: Data pre processing for modeling.

# PROPOSED AGENDA FOR EVENT

* 6:00 - 6:30pm - Attendee Check-in with QR code; Food/Networking
* 6:30 - 8:30pm - Interactive Tutorial/Lecture on Concepts, Hands on coding session.
* 8:30 - 9:00pm - Post event clean up.

# EQUIPMENT NEEDED

* Wifi
* Tables
* Chairs
* Projector for presentation
* Microphone
* Power cables/strips

# NICE TO HAVE

* Light refreshments/food for the evening

# CODE OF CONDUCT

(<https://github.com/WomenWhoCode/guidelines-resources/blob/master/code_of_conduct.md>)