



An Introduction to “Python for Data Science”

29-30 August 2024

ONLINE/ONSITE

COST: The cost for the course will be £495 +VAT (VAT UK ONLY) , this includes course notes and lunches

COURSE MATERIAL

The lecture notes will be sent in advance and Python Programmes will be made all available after the course.

PAYMENT

Payments can be made by cheque (made payable to ASRANet Ltd.), cash or bank transfer. Please enquire for details.

CONTACT

ASRANet Limited
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Venue

The Chaucer Centre
Canterbury Rd
Morden
SM4 6PX

ABOUT THE COURSE

This two-day course requires no previous knowledge of Data Science; however, some familiarity with programming would be helpful. It will first introduce “Data Science” as a subject and the corresponding careers in the current and future market. The second step will be a short Python bootcamp to cover the basic functions and those that are related mainly to Data Science. The heart of the course will then start to cover Initial Data Analysis (IDA) and Exploratory Data Analysis (EDA), e.g., data analytics and Visualisation. To achieve this, main Python libraries for Data Science will be explored such as NumPy, Pandas, Matplotlib and Seaborn. All topics will encompass real and large datasets.

PROGRAMME AND TIMINGS – 9am- 4.30pm BST(GMT+1)

1. Day 1:
 - Intro to Data Science
 - Short Python Bootcamp
 - Introduction to Pandas library
 - Case Studies

2. Day 2:
 - Initial Data Analysis – Missing Values, Duplicates, Outliers...
 - Exploratory Data Analysis (EDA) – Data Analysis and Visualisation
 - Introduction to Matplotlib and Seaborn libraries
 - Case Studies

Who Should Attend

Attendees are assumed to have no previous knowledge in Data Science/Computer Science, however, basic skills in I.T. systems, Mathematics and Statistics are expected. Familiarity in programming is recommended.

The Tutor:

Dr Jad Abbass is a Lecturer in Data Science in the Department of Computer Science at Kingston University where his teaching duties are mainly dedicated to the MSc in Data Science programme. He has more than 15 years of experience of teaching computer science courses/modules. His research projects lie in the field of applying A.I. (Machine Learning/Deep Learning) in different real-life applications, in particular, in Computational Biology.