



ROI TRAINING
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Python Program

INTRODUCTION



The following course materials are copyright protected materials. They may not be reproduced or distributed and may only be used by students attending the *Python Program* course.

Welcome!

- ROI leads the industry in designing and delivering customized technology and management training solutions
- Meet your instructor
 - Name
 - Background
 - Contact info
- Let's get started!



Course Objectives

In this course, we will:

- ➔ Learn how to use Python for data science and machine learning
- ➔ Explore the most common packages such as NumPy, Pandas, and Sklearn
- ➔ Learn how to transform data into the correct shape for analysis
- ➔ Explore supervised and unsupervised models including Cluster, Classification, and Regression
- ➔ Become familiar with graph database concept using network package

Course Contents

Chapter 0	Introduction
Chapter 1	Toolset Overview
Chapter 2	NumPy Essentials: Arrays and Vectorized Computation
Chapter 3	Getting Started with Pandas
Chapter 4	Data Preparation
Chapter 5	Plotting and Visualization
Chapter 6	Cluster Analysis
Chapter 7	Classification Models
Chapter 8	Regression Analysis
Chapter 9	Graph Database
Chapter 10	Course Summary

Class Schedule

- ➡ Start of class _____
- ➡ Morning breaks approximately on the hour
- ➡ Lunch _____
- ➡ Afternoon breaks approximately on the hour
- ➡ Class end _____

ROI's Training Curricula

Agile Development	.NET and Visual Studio
Amazon Web Services (AWS)	Networking and IPv6
Azure	Oracle and SQL Server Databases
Big Data and Data Analytics	OpenStack and Docker
Business Analysis	Project Management
Cloud Computing and Virtualization	Python and Perl Programming
Excel and VBA	Security
Google Cloud Platform (GCP)	SharePoint
ITIL® and IT Service Management	Software Analysis and Design
Java	Software Engineering
Leadership and Management Skills	UNIX and Linux
Machine Learning and Neural Networks	Web and Mobile Apps
Microsoft Exchange	Windows and Windows Server



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Student Introductions

Please introduce yourself stating:

- ➔ Name
- ➔ Position or role
- ➔ How many years of experience you have with Python
- ➔ Expectations or a question you'd like answered during this class

