Garnet
Garnet Global Training Center

GGT-DS-101

Data Science & Analytics

# Data Analysis with Python

تحليل البيانات باستخدام Python

| Duration | Language | Formats | Hours | Level |
|---|---|---|---|---|
| **5 or 10 days** | **English or Arabic** | **Classroom, online, in-house** | **35 / 70** | **Intermediate (practitioner)** |

## Overview

Participants in Data Analysis with Python practise the methods, tools and standards they need to perform reliably and solve problems on the job. Turn data into decisions with statistics, visualisation and machine learning. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

## What you will be able to do

- Apply the methods and standards of Data Analysis with Python to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

## Who should attend

Analysts, engineers, researchers and managers who work with data. Practitioners with one to five years of experience benefit most.

## Key topics

- Data preparation and cleaning
- Statistics for decisions
- Visualisation and dashboards
- Python and SQL in practice
- Predictive models
- Data storytelling

## Formats and fees

| | |
|---|---|
| 5-day classroom | **USD 4,750** |
| 5-day online | **USD 2,950** |
| 10-day classroom | **USD 8,950** |
| 10-day online | **USD 5,450** |
| In-house | **Quotation per group** |

Fees per participant, excluding VAT.

## Register or ask

**WhatsApp:** +971 56 674 7382

**Email:** info@garnettrainings.com

**Training:** training@garnettrainings.com

**Web:** garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

## Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

## 5-day outline

### Day 1 Data Analysis with Python: principles and standards

- Predictive models
- Measurement and reporting

### Day 2 Methods and tools in practice

- Data storytelling
- Data preparation and cleaning

### Day 3 Diagnosis and problem solving

- Statistics for decisions
- Hands-on workshop on a workplace challenge

### Day 4 Quality, safety and documentation

- Visualisation and dashboards
- Common mistakes and how to avoid them

### Day 5 Workshop, assessment and action plan

- Python and SQL in practice
- Regional and international case studies

## 10-day outline

### Day 1 Data Analysis with Python: principles and standards

- Predictive models
- Measurement and reporting

### Day 2 Methods and tools in practice

- Data storytelling
- Data preparation and cleaning

### Day 3 Diagnosis and problem solving

- Statistics for decisions
- Hands-on workshop on a workplace challenge

### Day 4 Quality, safety and documentation

- Visualisation and dashboards
- Common mistakes and how to avoid them

### Day 5 Workshop, assessment and action plan

- Python and SQL in practice
- Regional and international case studies

### Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Checklists and templates to take away

### Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

### Day 8 Benchmarking against international practice

- Global performance benchmarks
- Group discussion and peer review

### Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

### Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

## Schedule 2027–2030

| Dates | Format | City | Language | Fee (USD) |
|---|---|---|---|---|
| 19–23 Apr 2027 | 5-day classroom | Abu Dhabi | Arabic | 4,750 |
| 6–10 Sep 2027 | 5-day classroom | Dubai | Arabic | 4,750 |
| 1–5 Nov 2027 | 5-day online | Live online | English | 2,950 |
| 6–17 Dec 2027 | 10-day classroom | Kuala Lumpur | English | 8,950 |
| 13–24 Mar 2028 | 10-day online | Live online | English | 5,450 |
| 10–21 Apr 2028 | 10-day classroom | Paris | English | 8,950 |
| 17–21 Jul 2028 | 5-day classroom | Vienna | English | 4,750 |
| 13–17 Nov 2028 | 5-day classroom | Dubai | Arabic | 4,750 |
| 20–24 May 2029 | 5-day classroom | Jeddah | Arabic | 4,750 |

| Dates | Format | City | Language | Fee (USD) |
|---|---|---|---|---|
| 3–14 Jun 2029 | 10-day classroom | Riyadh | Arabic | 8,950 |
| 5–9 Nov 2029 | 5-day online | Live online | Arabic | 2,950 |
| 3–7 Dec 2029 | 5-day classroom | Dubai | Arabic | 4,750 |
| 18–29 Mar 2030 | 10-day classroom | Kuala Lumpur | English | 8,950 |
| 14–18 Apr 2030 | 5-day classroom | Doha | Arabic | 4,750 |
| 15–26 Jul 2030 | 10-day online | Live online | English | 5,450 |
| 21–25 Oct 2030 | 5-day classroom | Vienna | English | 4,750 |

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/