Garnet
Garnet Global Training Center

GGT-DS-106

Data Science & Analytics

Big Data Fundamentals

أساسيات البيانات الضخمة

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Foundation**

Overview

Big Data Fundamentals gives newcomers and non-specialists a clear, practical grounding: the core concepts, the vocabulary used on the job and the first tools to apply them. Turn data into decisions with statistics, visualisation and machine learning. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Explain the key concepts, terms and standards of Big Data Fundamentals.
- Carry out basic tasks correctly using simple checklists and tools.
- Read and use the documents, forms and data common in this field.
- Know when to escalate and who to involve.
- Communicate confidently with specialists and colleagues.

Who should attend

Analysts, engineers, researchers and managers who work with data. No prior experience is required; it also suits new hires, graduates and staff moving into this field.

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

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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 Introduction to Big Data Fundamentals
- Visualisation and dashboards
- Regional and international case studies

Day 2 Core concepts and terminology
- Python and SQL in practice
- Predictive models

Day 3 Basic methods and tools
- Data storytelling
- Checklists and templates to take away

Day 4 Working safely and correctly
- Data preparation and cleaning
- Group discussion and peer review

Day 5 Practical exercises and review
- Statistics for decisions
- Measurement and reporting

10-day outline

Day 1 Introduction to Big Data Fundamentals
- Visualisation and dashboards
- Regional and international case studies

Day 2 Core concepts and terminology
- Python and SQL in practice
- Predictive models

Day 3 Basic methods and tools
- Data storytelling
- Checklists and templates to take away

Day 4 Working safely and correctly
- Data preparation and cleaning
- Group discussion and peer review

Day 5 Practical exercises and review
- Statistics for decisions
- Measurement and reporting

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Hands-on workshop on a workplace challenge

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
- Common mistakes and how to avoid them

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)
21–25 Mar 2027	5-day classroom	Cairo	Arabic	4,750
21–25 Jun 2027	5-day online	Live online	Arabic	2,950
19–23 Sep 2027	5-day classroom	Riyadh	English	4,750
6–17 Dec 2027	10-day classroom	Barcelona	English	8,950
3–14 Jan 2028	10-day online	Live online	English	5,450
8–12 May 2028	5-day classroom	Kuala Lumpur	English	4,750
3–7 Jul 2028	5-day classroom	Casablanca	English	4,750
10–21 Dec 2028	10-day classroom	Cairo	Arabic	8,950
1–12 Jan 2029	10-day classroom	Istanbul	English	8,950
5–9 Feb 2029	5-day online	Live online	Arabic	2,950

Dates	Format	City	Language	Fee (USD)
4–8 Mar 2029	5-day classroom	Kuwait City	Arabic	4,750
1–5 Oct 2029	5-day classroom	Dubai	English	4,750
20–31 Jan 2030	10-day classroom	Riyadh	Arabic	8,950
1–5 Apr 2030	5-day classroom	Istanbul	English	4,750
12–23 Aug 2030	10-day online	Live online	Arabic	5,450
2–6 Sep 2030	5-day classroom	Geneva	English	4,750

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