Garnet
Garnet Global Training Center

GGT-DS-105

Data Science & Analytics

Predictive Analytics & Machine Learning

التحليلات التنبؤية وتعلم الآلة

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

Overview

Participants in Predictive Analytics & Machine Learning 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. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Apply the methods and standards of Predictive Analytics & Machine Learning 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

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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 Predictive Analytics & Machine Learning: 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 Predictive Analytics & Machine Learning: 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)
1–5 Feb 2027	5-day classroom	Kuala Lumpur	English	4,750
8–19 Mar 2027	10-day classroom	Casablanca	Arabic	8,950
14–18 Jun 2027	5-day online	Live online	English	2,950
1–5 Nov 2027	5-day classroom	Singapore	English	4,750
1–12 May 2028	10-day classroom	Casablanca	Arabic	8,950
12–23 Jun 2028	10-day online	Live online	English	5,450
16–20 Jul 2028	5-day classroom	Manama	Arabic	4,750
11–15 Sep 2028	5-day classroom	Dubai	English	4,750
11–15 Mar 2029	5-day classroom	Doha	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
4–15 Jun 2029	10-day classroom	Kuala Lumpur	English	8,950
9–13 Jul 2029	5-day classroom	Amsterdam	English	4,750
3–7 Sep 2029	5-day online	Live online	Arabic	2,950
18–22 Feb 2030	5-day classroom	Dubai	Arabic	4,750
17–28 Jun 2030	10-day online	Live online	Arabic	5,450
8–12 Sep 2030	5-day classroom	Riyadh	English	4,750
4–15 Nov 2030	10-day classroom	Singapore	English	8,950

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