Garnet
Garnet Global Training Center

GGT-DS-110

Data Science & Analytics

Geospatial Data Analysis (GIS)

تحليل البيانات الجغرافية (GIS)

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

Overview

Participants in Geospatial Data Analysis (GIS) 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 Geospatial Data Analysis (GIS) to real tasks.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.

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 Geospatial Data Analysis (GIS): principles and standards

- Python and SQL in practice
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Predictive models
- Data storytelling

Day 3 Diagnosis and problem solving

- Data preparation and cleaning
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Statistics for decisions
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Visualisation and dashboards
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Geospatial Data Analysis (GIS): principles and standards

- Python and SQL in practice
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Predictive models
- Data storytelling

Day 3 Diagnosis and problem solving

- Data preparation and cleaning
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Statistics for decisions
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Visualisation and dashboards
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Common mistakes and how to avoid them

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
- Regional and international case studies

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)
8–19 Mar 2027	10-day classroom	Istanbul	English	8,950
19–23 Apr 2027	5-day online	Live online	English	2,950
12–16 Jul 2027	5-day classroom	Dubai	Arabic	4,750
12–16 Sep 2027	5-day classroom	Doha	Arabic	4,750
14–18 May 2028	5-day classroom	Kuwait City	English	4,750
16–27 Jul 2028	10-day classroom	Riyadh	Arabic	8,950
14–18 Aug 2028	5-day classroom	Abu Dhabi	Arabic	4,750
18–29 Sep 2028	10-day online	Live online	Arabic	5,450
1–5 Jan 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
10–21 Jun 2029	10-day classroom	Riyadh	English	8,950
7–11 Oct 2029	5-day classroom	Amman	English	4,750
19–23 Nov 2029	5-day classroom	London	English	4,750
11–15 Feb 2030	5-day classroom	Barcelona	English	4,750
18–22 Mar 2030	5-day classroom	Abu Dhabi	Arabic	4,750
5–16 Aug 2030	10-day classroom	Amsterdam	English	8,950
9–20 Dec 2030	10-day online	Live online	Arabic	5,450

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