

AUDITING AND GOVERNANCE RISK AND COMPLIANCE | COURSE BROCHURE

Audit Sampling and Data Analytics with Excel

5 days | Classroom training | English

SMART HORIZON

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Course content

Why attend

Auditors increasingly use data analytics and statistical sampling to improve audit quality and efficiency. This course covers sampling methods, sample size determination, evaluating results, and using Excel for data analysis, testing full populations, duplicates, gaps and anomalies.

Analytics allow auditors to test more with less effort. This course gives practical skills using a tool every auditor has.

Professional Problems This Course Is Designed to Solve

• Difficulty translating subject knowledge into practical workplace decisions.
• Inconsistent approaches to the activities covered in the course outline.
• Lack of a structured plan for applying and reviewing new skills.

Course methodology

The course is hands-on with Excel exercises on audit datasets, sampling calculations and case studies.

Course objectives

By the end of this course, participants will be able to:
• Explain statistical and non-statistical sampling
• Determine sample sizes and select samples
• Evaluate and project sample results
• Prepare and clean audit data in Excel
• Perform analytics tests on full populations
• Document analytics work properly

Target audience

This course is suitable for:
• Internal auditors
• External auditors
• Compliance testers
• Risk analysts
• Finance controllers



Course content

Target competencies

Participants will develop competencies in:
- Audit sampling
- Sample evaluation
- Data preparation
- Excel analytics
- Anomaly detection
- Audit documentation

Course outline

Day 1: Sampling Fundamentals

09:00–09:54	Purpose of sampling
09:54–10:48	Sampling risk
10:48–11:00	Statistical and non-statistical methods
11:00–11:30	**Coffee break**
11:30–12:12	Statistical and non-statistical methods (continued)
12:12–13:06	Attribute sampling
13:06–14:00	Exercise: Sampling design

Day 2: Sample Selection and Evaluation

09:00–09:54	Sample size
09:54–10:48	Selection methods
10:48–11:00	Evaluating errors
11:00–11:30	**Coffee break**
11:30–12:12	Evaluating errors (continued)
12:12–13:06	Projecting results
13:06–14:00	Lab: Sampling in Excel



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Day 3: Data Preparation

09:00–09:54	Data requests
09:54–10:48	Importing and cleaning
10:48–11:00	Validation
11:00–11:30	**Coffee break**
11:30–12:12	Validation (continued)
12:12–13:06	Power Query basics
13:06–14:00	Lab: Preparing data

Day 4: Analytics Tests

09:00–09:54	Duplicates and gaps
09:54–10:48	Stratification
10:48–11:00	Benford's law
11:00–11:30	**Coffee break**
11:30–12:12	Benford's law (continued)
12:12–13:06	Pivot analysis
13:06–14:00	Lab: Audit analytics

Day 5: Documentation and Use

09:00–09:54	Documenting analytics
09:54–10:48	Interpreting results
10:48–11:00	Integrating into audits
11:00–11:30	**Coffee break**
11:30–12:12	Integrating into audits (continued)
12:12–13:06	Next steps
13:06–14:00	Capstone: Analytics audit

The timings provided are estimates and may vary depending on the number of participants and the discussions taking place during the



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sessions. They are indicative only and do not constitute a binding commitment.

Dates, venues and fees

Current published course plans. Fees are per participant in EUR, excluding unconfirmed taxes.

Venue	Start date	End date	Fee (EUR)
Dubai Confirmed dates	16 Nov 2026	20 Nov 2026	**€3,150.–**
Online Confirmed dates	16 Nov 2026	20 Nov 2026	**€1,250.–**
Cape Town Confirmed dates	23 Nov 2026	27 Nov 2026	**€1,890.–**
Online Confirmed dates	23 Nov 2026	27 Nov 2026	**€1,250.–**
Frankfurt Confirmed dates	7 Dec 2026	11 Dec 2026	**€2,650.–**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,250.–**
Kuala Lumpur Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,450.–**
Online Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,250.–**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Paris Confirmed dates	4 Jan 2027	8 Jan 2027	**€2,860.-**
Online Confirmed dates	4 Jan 2027	8 Jan 2027	**€1,250.-**
Istanbul Confirmed dates	18 Jan 2027	22 Jan 2027	**€2,650.-**
Online Confirmed dates	18 Jan 2027	22 Jan 2027	**€1,250.-**
Amsterdam Confirmed dates	1 Feb 2027	5 Feb 2027	**€2,540.-**
Online Confirmed dates	1 Feb 2027	5 Feb 2027	**€1,250.-**
Singapore Confirmed dates	15 Feb 2027	19 Feb 2027	**€2,820.-**
Online Confirmed dates	15 Feb 2027	19 Feb 2027	**€1,250.-**
Cape Town Confirmed dates	22 Feb 2027	26 Feb 2027	**€1,890.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	22 Feb 2027	26 Feb 2027	**€1,250.-**
London Confirmed dates	1 Mar 2027	5 Mar 2027	**€2,450.-**
Online Confirmed dates	1 Mar 2027	5 Mar 2027	**€1,250.-**
Dubai Confirmed dates	15 Mar 2027	19 Mar 2027	**€3,150.-**
Online Confirmed dates	15 Mar 2027	19 Mar 2027	**€1,250.-**
Frankfurt Confirmed dates	5 Apr 2027	9 Apr 2027	**€2,650.-**
Online Confirmed dates	5 Apr 2027	9 Apr 2027	**€1,250.-**
Kuala Lumpur Confirmed dates	19 Apr 2027	23 Apr 2027	**€1,450.-**
Online Confirmed dates	19 Apr 2027	23 Apr 2027	**€1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Barcelona Confirmed dates	26 Apr 2027	30 Apr 2027	**€2,840.-**
Online Confirmed dates	26 Apr 2027	30 Apr 2027	**€1,250.-**
Paris Confirmed dates	3 May 2027	7 May 2027	**€2,860.-**
Online Confirmed dates	3 May 2027	7 May 2027	**€1,250.-**
Istanbul Confirmed dates	17 May 2027	21 May 2027	**€2,650.-**
Online Confirmed dates	17 May 2027	21 May 2027	**€1,250.-**
Amsterdam Confirmed dates	7 Jun 2027	11 Jun 2027	**€2,540.-**
Online Confirmed dates	7 Jun 2027	11 Jun 2027	**€1,250.-**
Rome Confirmed dates	14 Jun 2027	18 Jun 2027	**€2,450.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	14 Jun 2027	18 Jun 2027	**€1,250.-**
Singapore Confirmed dates	21 Jun 2027	25 Jun 2027	**€2,820.-**
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**€1,250.-**
London Confirmed dates	5 Jul 2027	9 Jul 2027	**€2,450.-**
Online Confirmed dates	5 Jul 2027	9 Jul 2027	**€1,250.-**
Dubai Confirmed dates	19 Jul 2027	23 Jul 2027	**€3,150.-**
Online Confirmed dates	19 Jul 2027	23 Jul 2027	**€1,250.-**
Frankfurt Confirmed dates	2 Aug 2027	6 Aug 2027	**€2,650.-**
Online Confirmed dates	2 Aug 2027	6 Aug 2027	**€1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Kuala Lumpur Confirmed dates	16 Aug 2027	20 Aug 2027	**€1,450.-**
Online Confirmed dates	16 Aug 2027	20 Aug 2027	**€1,250.-**
Rome Confirmed dates	23 Aug 2027	27 Aug 2027	**€2,450.-**
Online Confirmed dates	23 Aug 2027	27 Aug 2027	**€1,250.-**
Paris Confirmed dates	6 Sept 2027	10 Sept 2027	**€2,860.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**€1,250.-**
Istanbul Confirmed dates	20 Sept 2027	24 Sept 2027	**€2,650.-**
Online Confirmed dates	20 Sept 2027	24 Sept 2027	**€1,250.-**
Amsterdam Confirmed dates	4 Oct 2027	8 Oct 2027	**€2,540.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	4 Oct 2027	8 Oct 2027	**€1,250.-**
Singapore Confirmed dates	18 Oct 2027	22 Oct 2027	**€2,820.-**
Online Confirmed dates	18 Oct 2027	22 Oct 2027	**€1,250.-**
Vienna Confirmed dates	25 Oct 2027	29 Oct 2027	**€2,940.-**
Online Confirmed dates	25 Oct 2027	29 Oct 2027	**€1,250.-**
London Confirmed dates	1 Nov 2027	5 Nov 2027	**€2,450.-**
Online Confirmed dates	1 Nov 2027	5 Nov 2027	**€1,250.-**
Dubai Confirmed dates	15 Nov 2027	19 Nov 2027	**€3,150.-**
Online Confirmed dates	15 Nov 2027	19 Nov 2027	**€1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Frankfurt Confirmed dates	6 Dec 2027	10 Dec 2027	**€2,650.-**
Online Confirmed dates	6 Dec 2027	10 Dec 2027	**€1,250.-**
Kuala Lumpur Confirmed dates	13 Dec 2027	17 Dec 2027	**€1,450.-**
Online Confirmed dates	13 Dec 2027	17 Dec 2027	**€1,250.-**

Plan your next step

Dates, availability, exact venue, taxes, inclusions and payment terms require written confirmation. This brochure is not a quotation, registration, booking confirmation or visa invitation. Participants receive a Smart Horizon certificate of attendance; programmes are not externally accredited and do not award a professional qualification or designation. Confirm arrangements before booking travel.

For group or in-house training, contact our learning team to discuss your objectives and delivery arrangements.

Contact Smart Horizon

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