



CYBERSECURITY AND IT TRAINING

Data Driven Decision Making with Analytics

3 day course

Classroom, online or in-house

Course overview

Many organisations collect substantial data and continue to decide on instinct, not because the data is unavailable but because it arrives too late, in a form nobody can act on, and without anybody having asked what decision it was meant to inform. This course closes that gap. Delegates work through starting from the decision rather than the dataset, defining the question precisely enough to be answerable, and judging whether the available data can actually answer it. Basic statistical literacy is covered: variation, sample size, and why a difference may be noise. Correlation and causation are treated with real examples of expensive confusion between them. Dashboards and the reporting cadence that matches the decision follow. The course closes on acting under uncertainty and on deciding when more data is not worth waiting for.

What you will learn

- Start from the decision rather than from the dataset
- Define a question precisely enough to be answerable
- Judge whether available data can answer the question
- Apply variation and sample size to avoid reacting to noise
- Distinguish correlation from causation in practice
- Match dashboards and cadence to the decision they serve
- Act under uncertainty and know when to stop gathering data

Who should attend

- Business and operations managers
- Finance and planning analysts
- Sales and marketing managers
- Programme and project managers
- Team leaders responsible for performance reporting

Course outline

- 01 Data available, decisions still instinctive
- 02 Starting from the decision
- 03 Defining an answerable question
- 04 Whether the data can answer it
- 05 Variation, sample size and noise
- 06 Correlation and causation
- 07 Dashboards and reporting cadence
- 08 Acting under uncertainty

Upcoming dates

Dates	Venue	Format	Fee per delegate
11 to 13 November 2026	Online	Online	R6,500
2 to 4 December 2026	Kigali, Rwanda	Classroom	USD 995
23 to 25 December 2026	Harare, Zimbabwe	Classroom	USD 995



Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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