

PROFESSIONAL DEVELOPMENT TRAINING COURSES

Two 1-day Professional Development Courses: Johannesburg

Practical Variography

Variography using Supervisor

Training course	Location	Date
PRACTICAL VARIOGRAPHY	JOHANNESBURG	9 September
VARIOGRAPHY USING SUPERVISOR	JOHANNESBURG	10 September

Course Content: PRACTICAL VARIOGRAPHY

This one-day course provides practical and relevant advice for preparing and analysing variograms. The quality of variography analysis impacts on kriging, conditional simulation, neighbourhood search strategies, block size studies, volume-variance correction for selective reporting and classification using kriging variance.

Participants will:

- Improve their analytical skills for variography
- Increase awareness of variograms pit-falls
- Pick up tips, hints and case studies for a relevant and practical reference

Course content:

- Applications and issues
- Preparing for variography
- Calculating variograms
- Interpreting for directions of continuity
- Interpreting 'interesting' variograms
- Modelling variograms
- Relevance of variograms for Inverse Distance methods
- Practical application of variograms for kriging and conditional simulation

Who should attend?

Geologists responsible for: resource estimation, estimating drill spacing or conditional simulation systems. The course programme assumes attendees have had some previous exposure to variography and are looking to fine-tune their skills and develop more practical awareness of pit-falls.

Course Content: Practical Variography using Supervisor (Analysor and Visor modules)

This one-day course gives you the skills to import data, calculate and model variograms using the Supervisor software modules Analysor and Visor, while working on your own data. If you have attended the Practical Variography course, this course will help you put the theory you learned into practice.

Participants will:

- Be able to analyse grade continuity quickly
- Learn how to model variograms
- Understand how to take advantage of Supervisor's acceleration features to add value to analysis rather than spend valuable time on data and information management

Course content:

- VISOR fundamentals and acceleration features
- Loading and organising data and projects
- Calculating variograms - tools and skills
- Tools and skills for selecting the best variogram types
- Tools and skills for interpreting directions of best continuity
- Modelling variograms
- Comparing variograms
- Exporting and plotting

You are encouraged to bring your own data to work on but several data sets will also be available. The course will be run as a workshop with active participation in the tools.

Who should attend?

Geologists and engineers involved in resource estimation who are currently using Supervisor or are interested in using Supervisor.

Please note: Snowden's Supervisor software is now available to everyone in the mining industry.

Delegate feedback

Snowden prides itself on the standard of its courses and on the quality of its presenters. Feedback from our previous course participants includes the following:

"The best parts were the practical examples and the explanations of real data and how the issues were identified and overcome"

"There were numerous tips"

"Good mix of theory and practical, well prepared and knowledgeable instructor"

"It was very interesting to deal with real data (our own) to demonstrate practical variography"

Presenter The course presenter will be chosen from Snowden's most experienced consultants

Mark Roux - Senior Resource Geologist

BSc (Hons) Geology, University of Pretoria, MGSSA



Mark has experience in various roles within the diamond industry from grass roots exploration to early stage evaluation of potential kimberlitic bodies; this involved working in a number of African ventures in Botswana, South Africa, Gabon and the Democratic Republic of the Congo fulfilling tasks ranging from raw sampling to project management and due diligence reporting roles. Following his exploration experience Mark moved into the role of resource extension geologist at Finsch Mine in the Northern Cape, where his tasks involved planning and executing underground drill projects, QAQC of logged core, interpretative logging and Gemcom modelling of the Block5 extension of the Finsch kimberlite pipe. Mark is currently completing his GDE with focus on Mineral Resource Evaluation. Mark's expertise is in exploration, diamond geology, data validation, GIS and ore body modelling.

Fees

Payment required at time of registration. Each course costs R4,950 inclusive of VAT per person.

This fee includes course notes, refreshments and lunch.

PLEASE NOTE: You will need to bring your laptop to the courses

Contact and registration

For more information on Snowden's Training and Mentoring programmes, please contact Diana Titren, Training Division Manager, on +61 8 9213 9670 or training@snowdengroup.com

To register, please complete the following form and either fax it to Shannon Aitken, Training Coordinator, on fax +61 8 9322 2576 or email to training@snowdengroup.com

Please visit www.snowdengroup.com for more information about our training courses

Snowden Office Contact Details

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VANCOUVER +1 604 683 7645 BELO HORIZONTE +55 (31) 3222-6286 LONDON +44 1932 26870

REGISTRATION FORM

Practical Variography & Variography Using Supervisor: Perth

To: Snowden Mining Industry Consultants, PO Box 77, West Perth, WA 6872 Tel: +61 8 9211 8670

**PLEASE FAX YOUR REGISTRATION FORM TO: +61 8 9322 2576
OR EMAIL TO: training@snowdengroup.com**

Date	<input type="checkbox"/> Practical Variography	9 September 2010	ZAR4,342.11	(excl VAT)
	<input type="checkbox"/> Variography using Supervisor	10 September 2010	ZAR4,342.11	(excl VAT)
	Total excluding VAT		ZAR	excl VAT
	Total less 10% discount for booking on 2 or more courses excluding VAT		ZAR	excl VAT
	FINAL TOTAL including VAT		ZAR	incl VAT
	Important: It is compulsory for South African companies to add 14% VAT to the final total			
PLEASE NOTE: Attendees are to bring their own laptops to the course.				
Name				
Position in company				
Company name				
Address				
Tel				
Fax				
VAT Number				
Email				
How did you hear about the course?				
<input type="checkbox"/> Email <input type="checkbox"/> Snowden Website <input type="checkbox"/> Snowden Newsletter <input type="checkbox"/> Advert, please specify _____ <input type="checkbox"/> Other, please specify _____				

PAYMENT OPTIONS

**Payment required at time of registration – payment confirms your registration.
A tax invoice will be issued on receipt of payment.**

Please tick your payment option.

Cheque: Please enclose a cheque made payable to Snowden Mining Industry Consultants.

OR

Electronic transfer: Please quote either your **company name** or **invoice number** on your EFT transaction.

ABSA Bank, 160 Jan Smuts Branch Code: 508005 Type of Account: Current Account

Account No.: 4057661908 VAT No. 405 020 6434

OR

Credit card: Visa Master AMEX

Card no:

Cardholder's name: _____

Expiry date: / Signature: _____

PLEASE NOTE: No refunds for cancellations made within 2 weeks of the course or for 'no shows'. Delegates can be substituted. If the minimum number of delegates is not achieved, delegates will be notified 1 week prior to course start date and fees will be refunded.