



Geovariances Training

GEOSTATISTICS FOR RESOURCE ESTIMATION

5-day course

Geostatistics is widely recognised in the mining industry today as an essential tool for estimating resources and quantifying resource uncertainty. This course will provide you with a sound understanding of the essential concepts and techniques of mining geostatistics.

Features

- Fundamental geostatistical concepts explained in a clear and concise way
- Demonstrations and examples using **Isatis**
- Plenty of hands-on exercises with **Isatis** to reinforce and explore concepts

Who should attend

This course is aimed at geologists, engineers and others seeking a sound theoretical and practical knowledge of mining geostatistics.

Course contents

- An introduction to mining geostatistics: what is geostatistics and why use it?
- The framework for geostatistics
- Geostatistical concepts
- The limitations of classical statistics
- Spatial data analysis: experimental variograms, clouds, maps
- Variogram models
- The theory and properties of kriging
- Kriging in practice
- Multivariate geostatistics
- In situ resource estimation
- Global and local recoverable resource estimation
- Conditional Simulation
- Mini-project: Using geostatistical techniques in an exploration, evaluation or production study

Prerequisites

None. This course is an ideal introduction to mining geostatistics and is complemented by our **Isatis Optimum** course.

On-line registration

<http://www.geovariances.com/en/mining-4-geostatistics-for-resource-estimation-co98>

Contact

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Geovariances offers a complete set of high quality training programs in mining geostatistics for beginners and experienced users.

Geovariances courses cover basic and advanced Geostatistics and provide participants with plenty of hands-on practice with real mining data.

All courses are led by our highly experienced consultants.

Geovariances offers public courses around the world and throughout the year in English, French and Spanish.

Our consultants also provide in-house training and mentoring focused on your own needs.

Isatis, the geostatistical software solution from Geovariances, is regarded as the reference in mining geostatistics.

Leading mining and consulting companies around the world rely on Geovariances and **Isatis** for genuine expertise in geostatistics.

Our Trainers

Jacques Deraisme

Scientific Adviser
Principal Consultant

Jacques is a co-founder of Geovariances. After graduating as a Mining Engineer (Ecole des Mines de Nancy, 1969) he worked from 1972 to 1986 at the Centre de Géostatistique de l'Ecole des Mines de Paris where his research activities focused on stochastic and mining simulations, and from where he obtained his PhD in 1978. Jacques has worked for Geovariances since 1986 and conducted many geostatistical studies for mining and oil companies. He has led numerous training sessions in applied geostatistics.

James Pocoe

Senior Resource Geologist

James is a geologist from Australia with experience in mining, evaluation and exploration projects. He completed the CFSG mining geostatistics course at Centre de Géostatistique de l'Ecole des Mines de Paris in June 2009. James brings to Geovariances substantial site-based, hands-on mining industry experience in uranium, gold, base metals and iron ore. His strengths are in ore body interpretation and modelling, geostatistical analysis, estimation and resource reporting.