Geovariances Training

CONDITIONAL SIMULATIONS

5-day course

Geostatistical simulation techniques provide robust and valuable tools for helping to solve mining problems associated with risk and uncertainty. This course will provide you with a sound understanding of the concepts and techniques of conditional simulation for application to common mining issues, whatever your software package.

The course may also be reduced to 4 days and delivered in a more compact version. Please contact your sales representative for more info.

Features

This course is focused on mining issues
- Simulation for continuous and categorical variables
- Simulation concepts and theory 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 conditional simulation for mining applications.

Course contents

- Reminders of linear and non-linear geostatistics and their role in assessing uncertainty
  - Dispersion variance
  - Change of support
  - Information effect
- Simulating continuous variables: Turning bands and Sequential Gaussian simulation
- Simulating categorical variables: Sequential indicator, Truncated Gaussian and pluri-Gaussian simulation
- A comprehensive guide to simulation using Isatis
- Case studies
  - Assessing risk and uncertainty of grade estimates
  - Optimising sampling strategies
  - Tools for grade control

Prerequisites

As the course refers to advanced geostatistical concepts, it is highly recommended that attendees have a reasonable knowledge of variography and kriging.

On-line registration


Contacts

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Our company

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

Our trainers have a great experience in geostatistics applied to different fields. They regularly contribute to international industry and academic conferences and journals and have been responsible for the implementation of many significant technical advances over the past 20 years.

Visit our website to find out more on their profile.