Multivariate Modeling Geostatistical Subsurface Modeling



Lecture outline . . .

- Summary
- Plus / Delta

Introduction

Fundamental Concepts

Probability

Data Prep / Analytics

Spatial Continuity / Prediction

Multivariate Modeling

Uncertainty Modeling

Machine Learning

Instructor: Michael Pyrcz, the University of Texas at Austin

Summary



We covered various topics and demonstrated workflows that could be applied to add value.

Multivariate Modeling

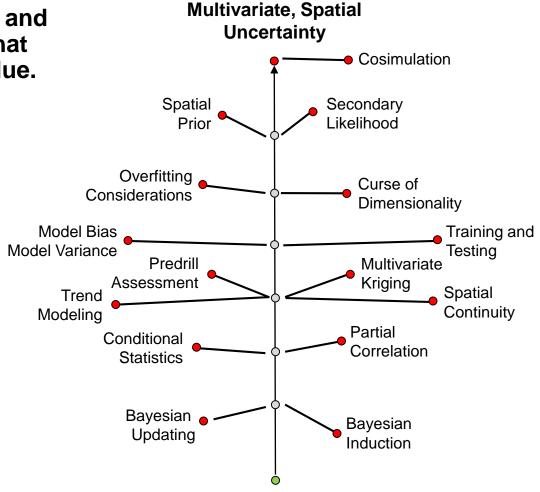
Feature Selection

Statistical Learning

Spatial Estimation

Multivariate Analysis

Probability



Summary



Today's building blocks can be reimplemented and expanded to address various other problems, opportunities.

There is much more that we could cover and opportunities for workflow review and development etc.

I hope this was helpful. I'm happy to assist,

Probability

Multivariate Analysis

Spatial Estimation

Statistical Learning

Feature Selection

Multivariate Modeling

- Statistical Inference
- Representative Statistics
- Debiasing
- Uncertainty Sources
- Trend Modeling
- Model Optimization
- Discrete Uncertainty
- · Facies Models
- · Object-based Modeling
- Support Vector Machines
- Fair Spatial Model Testing
- Stochastic Simulations
- Value of Information
- Subsurface Machine Learning

Michael

Multivariate, Spatial Uncertainty

Plus / Delta



Plus:

1.

Delta:

1.

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