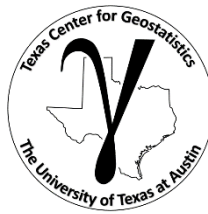# Data Analytics, Geostatistics and Machine Learning
Conclusion

Lecture outline . . .

- **Summary**

- **Plus / Delta**

Introduction

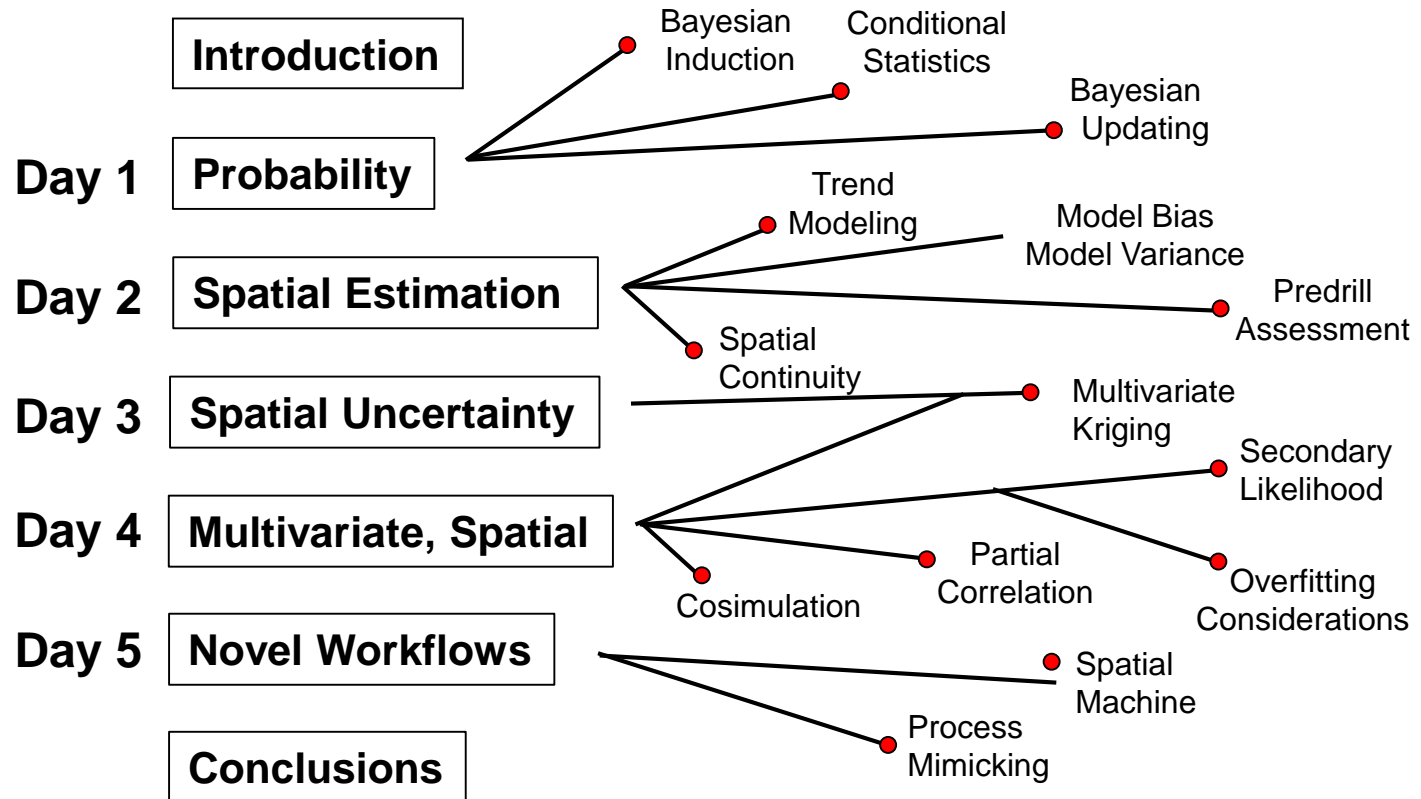Modeling Prerequisites

Spatial Estimation

Spatial Uncertainty

Multivariate, Spatial

Novel Workflows

Conclusions

Instructor: Michael Pyrcz, the University of Texas at Austin

Review

Introduction

Bayesian Induction •   Conditional Statistics •

Bayesian Updating •

Day 1   **Probability**

Trend Modeling •

Day 2   **Spatial Estimation**

Model Bias Model Variance

Predrill Assessment •

Spatial Continuity •

Day 3   **Spatial Uncertainty**

Multivariate Kriging •

Secondary Likelihood •

Day 4   **Multivariate, Spatial**

Cosimulation •

Partial Correlation •

Overfitting Considerations •

Day 5   **Novel Workflows**

Spatial Machine •

Process Mimicking •

Conclusions

The door remains open…

Plus / Delta

Plus:

1.

Delta:

1.

Data Analytics, Geostatistics and Machine Learning
Conclusion

Lecture outline . . .

- **Summary**

- **Plus / Delta**

Introduction

Modeling Prerequisites

Spatial Estimation

Spatial Uncertainty
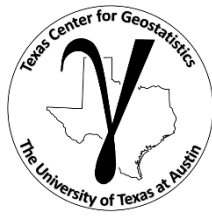
Multivariate, Spatial

Novel Workflows

Conclusions

Instructor: Michael Pyrcz, the University of Texas at Austin