

FOUNDATIONS OF DATA AND MODELS:Regression Analytics

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Note: All times are US Eastern Daylight Time. Schedule is subject to change.

MONDAY	
9:00-10:30 AM	Philosophy of Data and Models
10:30 AM-11:30 AM	Least Squares
11:30 AM-N00N	Levenberg-Marquardt & Ridge Regression
N00N-1:00 PM	Lunch
1:00-5:00 PM	Lab Exercises
TUESDAY	
9:00-10:00 AM	Damped Least Squares Comparison
10:00 AM-11:30 AM	Least Squares with Constraints
11:30 AM-N00N	Stochastic Inverse
N00N-1:00 PM	Lunch
1:00-5:00 PM	Lab Exercises
WEDNESDAY	
9:00-10:30 AM	Singular Value Decomposition
10:30 AM-N00N	Random and Grid Search Methods
N00N-1:00 PM	Lunch
1:00-5:00 PM	Lab Exercises
THURSDAY	
9:00-10:00 AM	Simulated Annealing and Genetic Algorithms
10:00 AM-N00N	Neural Networks
N00N-1:00 PM	Lunch
1:00-5:00 PM	Lab Exercises
FRIDAY	
9:00-10:00 AM	Experimental Design
10:00 AM-11:00 AM	Parameter Error Estimates
11:00 AM-N00N	Large Inverse Problems
N00N-1:00 PM	Lunch
1:00-5:00 PM	Lab Exercises