

Frontier Modeling
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Day 1 Class Essentials of Frontier Modeling

09:30 – 10:00		Registration and Setup
10:00 – 10:30	(1)	Microeconomic Essentials, Regression Models
10:30 – 11:00	(2)	Frontier Functions
11:00 – 11:30	LAB 1	Software, Regression Modeling, Modifications of OLS
11:30 – 11:45		[Coffee Break]
11:45 – 12:30	(3)	Stochastic Frontier Model
12:30 – 13:30		[Lunch]
13:30 – 14:00	LAB 2	Estimating Stochastic Frontier Models
14:00 – 15:15	(4)	Frontier Model Extensions, Data Envelopment Analysis
15:15 – 15:30		[Coffee Break]
15:30 – 16:00	LAB 3	Stochastic Frontier Cost and Production Models
16:00 – 16:30	(annex)	Frontier Functions and Distance Functions, The Greene Problem
16:30 – 17:00		Open discussion and lab

Day 2 Class Frontier Model Extensions

09:00 – 09:30	(5)	Set up and review
09:30 – 10:30	(6)	Heteroscedasticity Heterogeneity, Simulation and Latent Class Models
10:30 – 11:00	LAB 4	Heterogeneity
11:00 – 11:15		[Coffee Break]
11:15 – 12:00	(7)	Simulation Based Estimation; Bayesian Models
12:00 – 12:30	(8)	Models for Panel Data, Random and Fixed Effects, True RE and FE
12:30 – 13:30		[Lunch]
13:30 – 14:15	(8 cont)	Modeling with Panel Data (continues)
14:15 – 14:45		Battese/Coelli, Latent Class, Random Parameters, Distance Functions
14:45 – 15:15	LAB 5	Stochastic Frontier Models for Panel Data
15:15 – 15:30		[Coffee Break]
15:30 – 16:15	(9)	Applications from the Literature
16:15 – 16:45	LAB 6:	Modeling Building
16:45 – 17:00	(10)	Summary and Conclusions