

Discrete Choice Modeling
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Day 1 Class Notes Discrete Choice Models - Binary Choice

09:30 – 10:00			Registration, setup, coffee, opening remarks
10:00 – 11:15	(0)	0,1,2	Methodology, software, regression basics, binary choice
11:15 – 11:30			Break
11:30 – 12:15	(1)	2,3	Binary choice models: non- & semiparametric, parametric
12:15 – 12:45		LAB 1	Using NLOGIT: linear regression, program functions
12:45 – 14:00			LUNCH
14:00 – 15:15	(2)	3,4	Estimation and analysis of binary choice models
15:15 – 15:45		LAB 2	Binary choice modeling
15:45 – 16:00			Break
16:00 – 17:00	(3)	4	Panel data models for binary choice, dynamic models
17:00 – 17:30		LAB 3	Binary choice models using panel data

Day 2 Class Notes Topics in Discrete Choice Modeling

9:00 – 09:15			Set up and review
9:15 – 10:00	(4)	5	Choice model extensions: bivariate and multivariate choice, sample selection, endogenous variables
10:00 – 10:30		5,6	Endogenous variables, heterogeneity, mixed and latent class models
10:30 – 11:00		LAB 4	Estimating and analyzing bivariate and multivariate binary choice and selection models
11:00 – 11:15			Break
11:15 – 11:45	(5)	6	Heterogeneity
11:45 – 12:15		LAB 5	Heterogeneity,
12:15 – 13:30			LUNCH
13:30 – 14:15	(6)	7	Ordered choice models
14:45 – 15:15		LAB 6	Analysis of ordered choice data
15:15 – 15:30			Break
15:30 – 16:00	(7)	7,8	Ordered choice, models for count data – health econometrics
16:00 – 16:30		LAB 7	Modeling count data
16:30 – 17:00			Discussion, student exploration

Day 3 Class Notes Multinomial Choice and Random Utility Modeling

09:00 – 09:15			Set up and Review
09:15 – 10:00	(8)	9,10	Multinomial choice and the MNLmodel, nested logit
10:00 – 10:30		11	Simulation based estimation, multinomial probit,
10:30 – 11:00		LAB 8	MNL, Nested logit and extensions
11:00 – 11:15			Break
11:15 – 11:45	(9)	12,13,14	Latent class and mixed logit, error components
11:45 – 12:15		LAB 9	RPL, ECL, LCM and other models
12:15 – 13:30			Lunch
13:30 – 15:00	(10)	13,14,15	Latent class, mixed logit, error components repeated observations and stated preferences,
15:00 – 15:30		LAB 10	Combining stated and revealed preference data
15:30 – 15:45			Break
15:45 – 16:15			Topics, open discussion, research workshop.
16:30 – 17:00		LAB 11	Student projects.
17:00 – 17:15			Closing Remarks