Micro-Econometrics In and Out of Markets: A Second Training Workshop on Micro-Econometrics in Environmental Economics
May 28-29, 2009, DoubleTree Hotel, Washington, DC

DAY ONE: DISCRETE CHOICE ANALYSIS

7:15am - 8:00am **Working Continental Breakfast**

7:45am - 8:15am **Welcome, Introduction and Context (Dan Phaneuf)**

8:15am - 11:30pm **Module 1: Classical Discrete Choice (Joe Herriges)**

- 8:15 - 9:00 Lecture - Discrete Choice and Simulation Background

  →Multinomial logit review

  →Conceptual basis for simulation and simulation applications

- 9:00 - 9:30 Software Introduction (Allen Klaiber)

  →Introduce software format and multinomial logit capabilities

- 9:30 - 10:30 Work Session (Dan Phaneuf)

  →Exercises using logit models and basic simulation

  →Group discussion of exercise results

- 10:30 - 10:45 Break

- 10:45 - 11:30 Lecture - Classical Mixed Logit

  →Conceptual and applied basis for mixed logit

11:30am - 12:45pm **Lunch (onsite)**

- 12:45 - 1:00 Mixed Logit Software Introduction (Allen Klaiber)

  →Demonstrate classical mixed logit aspects of the software

- 1:00 - 2:15 Work Session (Dan Phaneuf)

  →Exercises using mixed logit models

  →Group discussion on exercise results

2:15pm - 5:30pm **Module 2: Bayesian Discrete Choice (Kenneth Train)**

- 2:15 - 3:00 Lecture - Bayesian Estimation

  →Focus on general Bayesian econometrics

- 3:00 - 3:15 Break

- 3:15 - 4:00 Lecture - Bayesian Mixed logit

- 4:00 - 4:15 Bayesian Mixed Logit Software Introduction (Allen Klaiber)

  →Demonstrate Bayesian mixed logit aspects of the software

- 4:15 - 5:30 Work Session (Dan Phaneuf)

  →Exercises using Bayesian mixed logit models

  →Group discussion on exercise results

7:15am - 8:00am   **Working Continental Breakfast**

7:45am - 10:30am   **Module 3: Endogeneity and Equilibrium Models (Chris Timmins)**

- 7:45 - 9:30   Lecture - Sorting Models

- 9:30- 10:00   Software and Application (Allen Klaiber)

  →Demonstrate software for estimating sorting models

- 10:00 -10:15   Break

- 10:15 - 11:30   Work Session (Dan Phaneuf)

  →Exercises using sorting models

  →Group discussion on exercise results

11:30am - 1:00pm   **Lunch (on own)**

1:00pm - 2:15pm   **Module 4: Discrete Choice and Renewable Resources (Marty Smith)**

- 1:00 - 2:15   Lecture

  → State Dependency, bio-economics, simulation examples

2:15pm - 2:30pm   **Break**

2:30pm - 5:30pm   **Module 5: Corner Solution Models (Roger von Haefen)**

- 2:30 - 3:45   Lecture

  → Discrete-continuous choice and generalized corner solution models

- 3:45 - 4:15   KT Model Software Introduction (Allen Klaiber)

  →Demonstrate software for estimating Kuhn-Tucker demand system models

- 4:15 - 5:15   Work Session (Dan Phaneuf)

  → Complete structured exercises using corner solution models

  → Group discussion of results

5:15pm - 5:30pm   **Final Comments and Adjourn (Dan Phaneuf)**