EPFL
ENAC INTER TRANSP-OR
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Mathematical Modeling of Behavior
Fall 2014/ 2015

EXERCISE SESSION 1

We advise you to regularly consult the webpage of the course :

http://transp-or.epfl.ch/courses/dca2014/

There you will find all the documents related to the course, including the instructions and the necessary files for the exercise sessions that will take place during the labs, the course presentations, and other relevant documents.

The principal aim of the lab exercises is to use the BIOGEME software to calibrate (estimate) the different types of discrete choice models that are introduced in the theory lectures. During the labs you will apply several types of discrete choice modeling specifications to model and forecast behavior in concrete choice situations. For this purpose, you will rely on various empirical case studies.

The objectives of this first exercise session are the following :

- Go through the different case studies that will be used during the exercises sessions;

- Introduce you to BIOGEME with step-by-step examples.

Concerning the case studies, go to the laboratories tab of the course webpage. There you will find a .pdf file for each case study, containing the following information :

- description of the choice context,

- methodology of the data collection,

- description of the available data,

- statistics on certain data variables.

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