

Microsimulation in Decision Support

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This presentation is about our latest results in the field of microsimulation. First, I introduce the Microsimulation Research Group which was established as a result of BUTE and Calculus cooperation, then, I intend to refer to some former presentations in the introduction part of my presentation.

Afterwards, I talk about microsimulation from theoretical aspects, then, I present some possibilities of practical application. I introduce the research data set from 2004 in connection with Microsimulation Service System of Calculus. The most important problem nowadays is how we can use research data sets from 2004 to actual problems. Demographic simulation was important, today we have simulated data sets till 2010; the following of changes in economy data is in progress, and we have already had real results of the application of simulated data sets.

Furthermore, I introduce the technological problems of modelling demographic changes.

Finally, I present two cases of practical application of microsimulation in detail. I talk about the Hungarian Student Loan forecast. I close my presentation with microsimulation application in the banking sector.

Keywords: Microsimulation, Frame system for end-users, Governmental application, Financing sector, Telecommunication