

Course Descriptions None 2013-2014

Course Title	Data Analysis Skills																
Course Code	EBS4001																
ECTS Credits	4,0																
Assessment	None																
Period	<table border="1"> <thead> <tr> <th>Period</th> <th>Start</th> <th>End</th> <th>Mon</th> <th>Tue</th> <th>Wed</th> <th>Thu</th> <th>Fri</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>13-1-2014</td> <td>24-1-2014</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Period	Start	End	Mon	Tue	Wed	Thu	Fri	3	13-1-2014	24-1-2014	-				
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3	13-1-2014	24-1-2014	-														
Level	Advanced																
Coordinator	Bram Foubert For more information:b.foubert@maastrichtuniversity.nl																
Language of instruction	English																
Goals	Dependent variables rarely cover the full line of real numbers. Ignoring the true characteristics of your data may lead to inefficient and inconsistent estimates and may even generate nonsensical predictions. This skills training therefore introduces students to: different types of limited and/or nonmetric dependent variables and the inherent dangers of ignoring the data's real nature; models that take into account the peculiarities of the data; and a particularly popular estimation technique that is flexible enough to estimate all studied models, namely Maximum Likelihood Estimation (MLE).																
Description	This skills training consists of four building blocks: i) Maximum Likelihood Estimation (the estimation technique that we will use throughout the course), ii) models for count data, iii) models for nominal and ordered data, and iv) models for censored data. Each of these four topics will be introduced in a lecture. Immediately after each lecture, students start working on an assignment that involves the estimation of one or more of the introduced models.																
Literature	Selected chapters from textbooks, course slides, course book																
Prerequisites	Knowledge of regression analysis and Ordinary Least Squares, Knowledge of elementary and matrix algebra and basic calculus, Experience with a statistical package like SPSS An advanced level of English																
Teaching methods	PBL / Presentation / Lecture / Assignment																
Assessment methods	Attendance / Participation																
Evaluation in previous academic year	For the complete evaluation of this course please click http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM																
This course belongs to the following programme / specialisation	<table border="0"> <tr> <td>Master Business Research</td> <td>Compulsory Skills</td> </tr> <tr> <td>Master Business Research Track OR</td> <td>Compulsory Skills</td> </tr> <tr> <td>SBE Exchange Master</td> <td>Master Skills</td> </tr> <tr> <td>SBE Non Degree Courses</td> <td>Master Skills</td> </tr> </table>	Master Business Research	Compulsory Skills	Master Business Research Track OR	Compulsory Skills	SBE Exchange Master	Master Skills	SBE Non Degree Courses	Master Skills								
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