

Course Descriptions None 2024-2025

Course Title	Data Visualization																
Course Code	EBC4225																
ECTS Credits	5,0																
Assessment	Whole/Half Grades																
Period	<table><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>5</td><td>14-4-2025</td><td>8-6-2025</td><td></td><td>X</td><td></td><td>X</td><td></td></tr></tbody></table>	Period	Start	End	Mon	Tue	Wed	Thu	Fri	5	14-4-2025	8-6-2025		X		X	
Period	Start	End	Mon	Tue	Wed	Thu	Fri										
5	14-4-2025	8-6-2025		X		X											
Level	Advanced																
Coordinator	Lars Rieser For more information: l.rieser@maastrichtuniversity.nl																
Language of instruction	English																
Goals	This course is an introduction to the field of Data Visualization. Students will learn the fundamentals of data visualization. We will study different visualization methods and discuss how they can be used to visualize and explore quantitative datasets effectively. We will evaluate several approaches and learn how human perception interprets visualized data in various different ways.																
Description	Over the last decades organizations have started to accumulate enormous amounts of data both through their internal information systems as well as from external sources such as sensors or external vendors. While this data is partly used to support algorithmic and automated decision-making, many tasks still require a human in the decision-making process. For these types of processes, it often becomes necessary to present complex, multidimensional datasets in a way that supports knowledge discovery or understanding. To do so efficiently and effectively, visualization designers need to have a fundamental understanding of the principles governing human visual perception as well as how to translate these principles into best practices. In this course students will develop both, academic skills related to the systematic and scientific design of visualizations as well as practical knowledge on how to implement these theoretical skills using the Tableau Desktop Software Package.																
Literature	Textbook, Academic Articles																
Prerequisites	There are no formal prerequisites.																
Keywords																	
Teaching methods	Lecture / Groupwork																
Assessment methods	Final Paper / Participation / Assignment																
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	Master Business Intelligence and Smart Services Core Course(s)																