| Number of Module | Name of Module | Lecturer |
|---|---|---|
| VW-ATL-50a | Advanced Methods in Data Analytics | Prof. Pascal Kerschke<br>pascal.kerschke@tu-dresden.de |
| **Qualification Aim** | Students are familiar with advanced methods of data analysis that enable them to analyze data in depth. They are able to apply these methods and to identify and resolve any problems that arise in the process. | |
| **Content** | The module covers theoretical concepts and the application of advanced data analysis methods relevant to the processing of transportation-related data. | |
| **Teaching and Learning Methods** | 2 SWS lecture, 2 SWS tutorial, and independent study.<br>In accordance with Section 6, Paragraph 7 of the Academic Regulations, enrollment in the module is limited to 30 students. | |
| **Requirements for Participation** | The skills to be acquired in the Methods in Data Analytics module are assumed. | |
| **Usability** | This module is one of 27 elective modules in the master's degree program Air Transport and Logistics, which must be chosen according to § 32 paragraph 3 of the examination regulations. | |
| **Requirements for the Award of Credits** | Credit points are earned when the module examination is passed. The module examination consists of a written examination lasting 90 minutes. The examination language of the complex examination is English. | |
| **Credit Points and Grades** | 5 credit points can be acquired through the module. The module grade corresponds to the grade of the examination performance. | |
| **Frequency of Module** | The module is offered each academic year in the summer semester. | |
| **Workload** | The total workload is 150 hours. | |
| **Duration of the Module** | The module lasts one semester. | |