HAW Kiel
Hochschule für Angewandte Wissenschaften Kiel
Kiel University of Applied Sciences

Course: Big Data AG

General information

Course Name	Big Data AG Big Data Working Group
Course code	BDWG
Lecturer(s)	B.Sc. Gerth, Jonas (jonas.gerth@haw-kiel.de) Prof. Dr. Lüssem, Jens (jens.luessem@haw-kiel.de)
Occurrence frequency	Regular
Module occurrence	In der Regel jedes Semester
Language	Englisch

Qualification outcome

Areas of Competence: Knowledge and Understanding; Use, application and generation of knowledge; Communication and cooperation; Scientific self-understanding / professionalism.
Students know the advantages and limits of Big Data Applications. Students know the steps to set up a Big Data Application.
Students are able to build Big Data Architectures and are able to work with real world scenarios: - Architecture - Data Storage - Data Analysis - Visualization
Students are able to work in groups. Students are able to discuss with domain experts.

Content information

Content	Contents: - Big Data Ecosystems - Big Data Programming Languages: Python, R - Methods for Data Analysis - Data Visualization Techniques
Literature	- Kleppmann, M.: Designing Data-Intensive Applications: The Big Ideas Behind Reliable, Scalable, and Maintainable Systems (2017) - Hadoop References (Online Material) - Udacity (Nano Degree Course). Big Data Foundation (2018)

Teaching format of this course

Teaching format	**SWS**
Projekt	2

Examinations

BDWG - Projektbezogene Arbeiten	Method of Examination: Projektbezogene Arbeiten Weighting: 100% wird angerechnet gem. § 11 Satz 2 PVO: Yes Graded: Yes
Ungraded Course Assessment	No