

University of Hohenheim

Institute of Economics

Dept. of Econometrics and Statistics

Dept. of Econometrics and Empirical Economics

Institute of Financial Management

Dept. of Business Mathematics and Data Science

APPLIED DATA SCIENCE LAB (5000-671) (M.Sc. IBE AND AIDAHO CERTIFICATE)

WINTER TERM 2026/27

Prof. Dr. Thomas Dimpfl, Prof. Dr. Robert Jung and Dr. Johannes Bleher will jointly host the Applied Data Science Lab in the winter term 2026/27. The module consists of two hackathons in collaboration with regional companies. It emphasizes teamwork and culminates in presentations of the project results to academic and industry audiences.

Prerequisites

Master's students must have successfully completed the Principles of Data Science and Statistical Learning modules.

Bachelor students please contact Johannes Bleher for admission regulations.

Elements

The Applied Data Science Lab consists of two Hackathons conducted in collaboration with **AOK Baden-Württemberg** and **Festool GmbH**. Students work in teams on two real-world data science projects and are supervised by faculty members from the University of Hohenheim.

In-person participation in both hackathons is mandatory.

Preliminary project topics:

1. **AOK Baden-Württemberg:** A data classification challenge based on healthcare data.
2. **Festool GmbH:** Development of an AI-based decision support system for repair feasibility assessment.

Grading

Although the projects are carried out in teams, assessment is based on each student's individual contribution. The two hackathons are weighted equally, each accounting for 50% of the final grade.

Schedule

The module will be structured as follows:

1. Application for ADS-Lab participation is open until **15.10.2026**.
2. In-person general kick-off meeting: **16.10.2026, 14:00**.
3. In-person kick-off meeting at *Festool*: **23.10.2026, 14:00 - 15:30** in Wendlingen.
4. In-person presentations with *Festool* representatives: **04.12.2026, 14:00 - 17:00**.
5. In-person kick-off meeting at *AOK*: **07.12.2026, 14:00 - 15:30**, Downtown Stuttgart.
6. In-person presentations with *AOK* representatives: **28.01.2027, 14:00 - 17:00** .

Admission

Please note that the number of available places for this module is strictly limited. Admission to the Applied Data Science Lab is based on students' grades in the prerequisite modules.

Application for ADS-Lab participation

Students interested in participating in the seminar should send an email to Daniel.Walser@uni-hohenheim.de, accompanied by a current transcript of records.