The Rhine-Waal University of Applied Sciences in Kleve and Kamp-Lintfort offers an innovative, international environment combined with first-rate teaching in interdisciplinary Bachelor and Master's degree courses, taught mainly in English. It is strong in conducting research in disciplines such as technology, natural sciences and social sciences. More than 7,000 students have already enrolled at the Rhine-Waal University of Applied Sciences.

The University of Applied Sciences has to award for the faculty Life Sciences in the bachelor´s degree courses Agribusiness, B.A. and Sustainable Agriculture, B.Sc.. at the campus in Kleve in the summer semester 2020 the following

Lectureship

within the meaning of Section 43 of the Law regarding the Universities in the State of North Rheine-Westphalia (HG NRW):

Reference number 25/LA/20
Subject area/Module: „ Analysis and interpretation of data"

The lecturer shall take over lecture in the amount of 6 lecturing hours (1 hour lecture + 2 hours exercise for 1st and 3rd students) in the English modules "Analysis and interpretation of data I (1st semester)" and "Analysis and interpretation of data II (3rd semester)" of the bachelor courses Agribusiness, B.A. and Sustainable Agriculture, B.Sc.. The lecture will be taught synergistically in both study courses, the exercise however, individual for the 1st respectively 3rd semester students.

Due to the current pandemic, lectures shall be held in a digital format and shall begin as of November 02, 2020.

Content:
Descriptive statistics and data visualization; basics of probability theory; basic distributions (binomial, hypergeometric, Poisson, normal, exponential), Inferential statistics; correlation, regression analysis; hypothesis testing; analysis of variance, post hoc test; parameter estimation, time series

Goals

On successful completion of this module, students should

- know basic mathematical concepts and procedures for multivariate problems, and their application
- understand differences in methods of analysis and display of data

- be able to apply methods of data analysis and display to agricultural data based on R
- be able to critically assess examples of data display

Requirements:

The lecturer shall have a corresponding university degree and have practical experience. Didactic skill and the ability to hold the course with an international group of students in the English language are required (the language level shall be C1 according to the European reference framework).

The Rhine-Waal University of Applied Sciences offers lectures a systematic networking with the university as well as the opportunity of a specific training development to ensure a sustainable skill improvement, a closely link between theory and practice and a support for the personal development of lectures.

It is asked to send in just copies of documents as these cannot be returned.

Please send your application via e-mail **stating the reference number and the module title** addressed to

Contact person:
Prof. Dr. Sylvia Moenickes
Email: sylvia.moenickes@hochschule-rhein-waal.de

For questions and further information please contact the mentioned contact person above.