Georg-August-Universität Göttingen **Module M.WIWI-QMW.0020: Practical Statistical Training**	6 C 2 WLH

Learning outcome, core skills: The students: • learn how to implement statistical procedures for a given applied problem in a collaboration, • learn how to present results from a statistical analysis, • can identify a suitable statistical approach for a given problem, apply it and interpret the results.	**Workload:** Attendance time: 28 h Self-study time: 152 h

Course: M.WIWI-QMW.0020.Sem **Statistical Consulting** (Seminar) *Contents*: Jointly with a collaboration partner that provides the applied research question, the students develop statistical solutions in groups of up to four students.	2 WLH
Examination: Term Paper (max. 20 pages) M.WIWI-QMW.0020.Mp: Practical Statistical Training **Examination prerequisites:** Two presentations (ca. 30 minutes), regular attendance	6 C

Examination requirements: The students work in groups of up to three students on a given practical problem in collaboration with a project partner. This includes the pre-processing of data, the choice of suitable statistical methods and software, the communication of the results to the collaboration partner and the summary of the results in a written report.	

Admission requirements: none	**Recommended previous knowledge:** M.WIWI-QMW.0002 Advanced Statistical Inference (Likelihood & Bayes) M.WIWI-QMW.0001 Generalized Regression M.MED.0001 Linear Models and their Mathematical Foundations M.WIWI-QMW.0011 Advanced Statistical Programming with R
Language: English	**Person responsible for module:** Prof. Dr. Thomas Kneib Prof. Dr. Heike Bickeböller, Prof. Dr. Tim Friede
Course frequency: once a year	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 3
Maximum number of students: 30	