

IOPS PhD-Course Statistical Consulting to Behavioural Scientists

Leiden University, Institute of Psychology, Methodology and Statistics

Feb-May 2022

Credits	3 EC
Target group	IOPS-dissertation students. The minimum number of participants is 6 and the maximum is 16. Dissertation students who have done the master courses on Statistical Consulting of the University of Amsterdam, Utrecht University or Leiden University are exempt.
Lecturers	Dr. E. Dusseldorp (coordinator) and Dr. M.G.E. Verdam
Dates	Thursday, Feb 23: 11:00 – 17:30 (at FSW, Leiden + afterwards diner at Lab071 voluntary, not paid by IOPS) Friday, Feb 24: 9:30 – 17:00 (at FSW, Leiden) Friday, March 31: 10:00 - 13:00 or 13:00 - 15:00 (online; in two parts) Friday, May 12: 10:00 – 17:00 (at FSW Leiden including drinks at the end) Workload: 4 hours of preparation (before start); 22 contact hours; 50 hours of problem solving, analyses, and writing script; 8 hours of writing abstract;
Venue	Faculty of Social Sciences (FSW; Pieter de La Court Building), Leiden University, Wassenaarseweg 52, Leiden
Objectives	After this course, the participant is able to: <ul style="list-style-type: none">● Distinguish between different types of statistical consultation;● Identify and recognize issues in a client project relevant for a statistical consultant, such as: research question, study design, sampling procedure, and measurement instruments;● Identify and recognize possible pitfalls and/or ethical issues relevant for a statistical consultant;● Choose and apply (an) appropriate analysis technique(s) to answer the client's research question(s);● Effectively communicate the choice of analysis technique, the statistical assumptions, the analysis results and how these answer the research question to the client (orally and briefly in writing);
Format	The participants choose one real client project (in a substantive field; client has limited knowledge of statistics) before the course starts; the topics are known February 7, 2023 . The participants work in pairs on one client project. They perform three consultancy interviews with their client (part of the other participants observe these interviews); the end product is an extended abstract and a script with comments for the client; Furthermore, we provide videos, topics for classroom discussions, and interactive lectures.
Literature	Several articles on topics related to statistical consultancy and communication about statistics, distributed during the course.
Prerequisites	Statistics and methodology at the level of the Dutch master programs in the behavioral and social sciences.
Course fee	The course is free for IOPS students. For non-IOPS students the course fee is €600.
Registration	Register before Feb. 1, 2023 by sending an email to: secretariaat.iops@rug.nl