

Topics in philosophy of science and statistical inference

The Department of Statistics plans to give an introductory PhD course in philosophy of science, with a focus on the use of statistical methods in scientific research. The course will be worth 5 ECTS credits and will consist of seven meetings, each being three hours. The first meeting will be an introductory lecture giving a brief background of philosophy of science with a focus on 20th century philosophy, such as logical positivism, falsificationism (Popper), paradigms (Kuhn) etc. The other six meetings will be in the form of seminars where the students will prepare presentations and actively participate in discussions based on different papers covering topics such as statistical inference, reliability of empirical research/replication crisis, Bayesians vs. frequentists and causal inference. PhD students in statistics, as well as students from other fields using statistics, will be invited. Students interested in attending the course should contact Mattias Nordin (see contact info below). Preliminary dates for the course are listed below.

Date	Time	
20/5	13.15-16.00	Introductory lecture
29/5	13.15-16.00	Seminar I
12/6	13.15-16.00	Seminar II
19/6	13.15-16.00	Seminar III
26/8	13.15-16.00	Seminar IV
2/9	13.15-16.00	Seminar V
9/9	13.15-16.00	Seminar VI

Teachers: Per Johansson, Mattias Nordin, Ronnie Pingel

For questions, contact Mattias.Nordin@statistics.uu.se, Phone: 018-471 51 44