

2-DAY COURSE: Power Calculation for Program Evaluation

Trygfonden's Centre for Child Research will host a 2-day course on power calculation for program evaluation, taught by [Jeffrey Smith](#), Professor of Economics and Public Policy, University of Michigan and [Jessica Goldberg](#), Assistant Professor of Economics, University of Maryland.

Dates: Thursday and Friday, 5th – 6th of March, 2015.

Location: Fuglesangs Allé 4, Building 2621, 8210 Aarhus V.

The course is divided into two sessions: Starting with a half-day introductory session (one lecture, one practical exercise) on the basics of sample size decisions – and continuing with an advanced course on power calculations for more complicated designs.

Thursday, 8:30 – 11:30: A beginners' introduction to power calculation by Jessica Goldberg. It is possible to sign up for this session alone. We recommend that all advanced course participants also attend the beginners' course.

Thursday, 12:00 – 17:00 and Friday, 8:30 – 16: Advanced course in Power calculations and research designs by Jessica Goldberg and Jeffrey Smith. The advanced course is designed for PhDs, post docs and researchers with prior knowledge of statistics.

Topics covered by the advanced course are:

- Power calculation intuition and formulas
- Introduction to Optimal Design and power calculation commands in STATA
- Randomisation strategies
- Methods for heterogeneous treatment effects

To bring: All participants should bring a laptop with STATA and have downloaded Optimal Design, available [here](#). If you are unable to bring a laptop with STATA, kindly communicate this to Mette Vad Andersen mvadandersen@econ.au.dk

Sign-up: By link: <https://auws.au.dk/default.aspx?id=23234> before the 18th of February 2015.

About the presenters:

Jeffrey Smith is Professor of Economics and Public Policy, University of Michigan and Faculty Associate at the Survey Research Center at Institute for Social Research. He received his Ph.D. in Economics from the University of Chicago in 1996. He joined the Michigan faculty in 2005. Prior to coming to Michigan he was at the University of Maryland from 2001-2005 and the University of Western Ontario from 1994-2001. His research centers on methods for the evaluation of social programs such as job training for the disadvantaged. He has also written papers examining the labor market effects of university quality and the use of statistical treatment rules to assign persons to government programs.

Jessica Goldberg is an Assistant Professor of [Economics](#) at the [University of Maryland](#), an Affiliate of the Abdul Latif Jameel [Poverty Action Lab](#), and a Non Resident Fellow at the [Center for Global Development](#). Her research interests are in development and labor economics. Currently, she is working on field experiments about credit and savings in Malawi and Rwanda, the effect of social pressure on consumption and savings in Malawi and Uganda, and the role of social networks in outreach to treat communicable disease in India.

Kindly contact Jeppe Hillgaard Pedersen, jeppehp@econ.au.dk, should you have any questions about the course.