Summer school for PhD students in economics and statistics

Jönköping International Business School and Blekinge Institute of Technology offers a summer course that takes place between the 24th and 28th of June at Blekinge Institute of Technology. It consists of two parts, nonparameteric econometrics (4 ECTS) and productivity analysis (4 ECTS). The courses are independent but there is a clear connection between the two subject areas since nonparameteric econometrics is commonly used in productivity analysis.

Practical information

Place: The courses will be held at Campus Gräsvik, Karlskrona. The campus is situated right next to the Baltic Sea and have its own bridge on the campus. Thus, bringing swim clothes for swim breaks is highly encouraged.

Dates and time: The nonparametric course starts after lunch June 24 (14:00) and finish with lunch 26. The productivity course will start after lunch 26 and finish by lunch 28.

Last day to sign up: June 3, To register please contact jpm@bth.se or kristofer.mansson@ju.se.

Teachers: See below

Fee: There will be no course fee. However, accommodation and transport need to be organised by participants.

Questions: Please contact the organisers Kristofer Månsson (kristofer.mansson@ju.se) or Jonas Månsson (jpm@bth.se)

Teachers and topics

Nonparameteric econometrics (4 ECTS)

The goal of this course is to enhance students' understanding and skills in applied nonparametric econometrics. Initially, the course aims to provide a comprehensive foundation in nonparametric statistical methods. This is important for addressing the disconnect between economics and statistics in this field. Empirical economics research often overlooks the advantages of nonparametric methods, while developments in nonparametric theory frequently neglect the challenges encountered in practical econometric applications. This course seeks to bridge this gap, equipping students with the knowledge and skills necessary to effectively integrate nonparametric methods into empirical economic research.

This course is taught by Daniel Henderson. He is a professor of economics and the J. Weldon and Delores Cole Faculty Fellow at the University of Alabama as well as a research fellow at IZA (Institute for the Study of Labor) in Bonn, Germany. He was formerly an associate and assistant professor of economics at the State University of New York at Binghamton. He received his Ph.D. in economics from the University of California, Riverside in 2003 and his B.A. in economics from the University of California, Davis in 1998. His research focus is in applied nonparametric microeconometrics with an emphasis in the economics of education. He has also written papers examining the determinants of

child health, economic growth and development, environmental economics, and international trade. His work has been published in journals such as *Computational Statistics and Data Analysis, Economic Journal, Economics of Education Review, European Economic Review, International Economic Review, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Human Resources, Journal of the Royal Statistical Society, Oxford Bulletin of Economics and Statistics,* and *Review of Economics and Statistics*.

Productivity analysis (4 ECTS)

The goal of this course is to enhance students' understanding and skills in applied productivity analysis. Initially, the course aims to provide a comprehensive foundation for measuring productivity. The course will cover different methods and discuss them in relation to conditions that are required from a productivity index. The course will cover both non-parametric as well as parametric methods, especially indexes based on Stochastic frontier models. Of special emphasis will be the assumptions that need to be made to convert e.g. partial productivity measures frequently used into proper measures of productivity.

Chris O'Donnell obtained his PhD from the University of Sydney. He is an Associate Editor of the *Journal of Productivity Analysis*, an Associate Editor of *Empirical Economics*, and a Distinguished Fellow of the Australian Agricultural and Resource Economics Society. His research is focused on economic and statistical methods for measuring and explaining productivity and efficiency change. He has authored or co-authored two books on this topic. His work has also been published in leading economics and econometrics journals, including the *American Journal of Agricultural Economics*, the *Journal of Econometrics*, the *Journal of Applied Econometrics*, and *Econometric Reviews*. He has provided in-house training and/or been a consultant for organisations including the World Bank, the Asian Productivity Organisation, the International Rice Research Institute, the Australian Energy Regulator, the New South Wales Independent Pricing and Regulatory Tribunal, and the Australian Independent Hospital Pricing Authority.