STATA is a widely used statistical analysis package not only for academic researchers in economics, education, political science, public health, and sociology, but also for practitioners in business domains such as consulting, finance, and marketing. The course will provide participants with a comprehensive introduction to STATA, covering its data management, graphics, data analysis, and statistical modeling capabilities. Throughout the course, special attention will be paid to applying these capabilities to real-world problems and finding practical solutions. Through hands-on experience with various data-management, graphical, analytical tools offered by STATA, in-class assignments using real data, and consultation with the lecturer, participants will learn how these tools effectively tackle a diverse range of statistical problems. The course will combine lectures, discussions and hands-on exercises.

**Course Outline**

- Introduction to the STATA environment
- Data management using STATA
- Descriptive statistics and graphics
- Analysis of continuous data: hypothesis testing and confidence intervals
- Analysis of categorical data
- Analysis of variance
- Correlation
- Simple and multivariable regression with continuous response variables
- Multivariate regression with binary response variables: logistic regression

**Who Should Attend**

This course is designed for researchers, market researchers, analysts and government agencies who use large datasets to do quantitative research. This course is also suitable for those interested to learn how to do statistical analysis in STATA.

**Prerequisites**

There are no prerequisites for this course.

**Enquiries**

Contact CFPR at:
Tel: (65) 6601 4987 / 6601 4959
Email: cfrp@nus.edu.sg
Website: www.fas.nus.edu.sg/cfpr

**Faculty Member**

Dr. Jung Ji Wook is Assistant Professor of Sociology at the National University of Singapore. He earned his PhD at Harvard University in 2012. His research focuses on economic and organizational sociology, labour markets, stratification, and quantitative methodology. His current research, supported by the National Science Foundation (NSF), examines historical changes in the employment practices of U.S. corporations over the last three decades, using advanced quantitative methods. His work has also appeared in international peer-reviewed journals, including *Social Forces* and *Organization Studies*. 