

Centre for Census and Survey Research
Social Statistics
Institute for Social Change
Joint Seminar Series Autumn 2012

Genetic markers as instruments for obesity and hypertension: a GMM approach

Professor Frank Windmeijer,
University of Bristol

Tuesday 31st
January 2012

4.00-5.15pm Seminar
Tea and Coffee available

Rooms 1.69/1.70
Humanities Bridgeford Street Building
The University of Manchester
Oxford Road, M13 9PL

For other seminars in the series please visit:

www.manchester.ac.uk/socialchange/seminars
www.ccsr.ac.uk/seminars

The seminar series is held
every Tuesday, all welcome

Abstract

Explanations of risk factors and conditions such as obesity and hypertension increasingly combine social, economic and genetic predictors.

Estimation in such a complex setting throws up novel challenges, quite separate from collecting and managing data from such diverse provenance.

Instrumental variable estimation is found to be increasingly useful when a limited number of genetic markers (single nucleotide polymorphisms) is involved.

Generalised Method of Moments (GMM) estimation is the next step in attempts to provide sound explanations when multiple genetic markers are included.