UNIVERSITÄT
SALZBURG

SALZBURG MATHEMATICS COLLOQUIUM
Summer 2015

Stefan Van Aelst (Ghent)
„Robust inference in the seemingly unrelated regression model"
May 28, 2015

Abstract: The seemingly unrelated regressions (SUR) model is a popular model in econometrics. It consists of a collection of regression equations of which the error terms are possibly correlated due to exogenous factors. The SUR model can be formulated as a type of multivariate regression. The two most popular methods to estimate the model parameters are least squares estimation and Bayesian estimation. Both methods assume a multivariate normal distribution for the correlated errors and are very sensitive to any model deviations that may appear in the data, such as longtailed errors or outliers. In this talk we discuss robust inference for the parameters in the SUR model which is less influenced by model deviations in the data. For more information see the extended abstract on the webpage mentioned below.

Thursday, **15:15-16:00**
Hörsaal 414, 1. Stock