Structural Vector Autoregressive Analysis
SS 2018

Helmut Lütkepohl

Syllabus

1. **Vector Autoregressive Models**
2. **Vector Error Correction Models**
3. **Structural VAR Tools**
4. **Bayesian VAR Analysis**
5. **Identification by Short-Run Restrictions**
6. **Identification by Long-Run Restrictions**
7. **Inference for Impulse Responses**
8. **Sign Restrictions**
9. **Identification by Heteroskedasticity or Non-Gaussianity**
10. **Identification Based on External Instruments**
11. **Structural VAR Analysis in a Data-Rich Environment**
12. **Nonfundamental Shocks**

Literature: Lutz Kilian and Helmut Lütkepohl (2017), *Structural Vector Autoregressive Analysis*, Cambridge University Press.
Helmut Lütkepohl (2005), *New Introduction to Multiple Time Series Analysis*, Springer-Verlag.

Timing: 16 × 90 min lectures during the period 16 - 27 April 2018.

ECTS: 6.

The grade for the course will be based on a paper which has to be submitted shortly after the end on the course.