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Finanzökonometrisches BA-Seminar
Wintersemester 2014/15

Proposed Topics:

(1) **Scagnostics**

Advisor: Malte Kurz (malte.kurz@stat.uni-muenchen.de)

References:

- Wilkinson, L., A. Anand and R. Grossman (2005): *Graph-Theoretic Scagnostics*. Proceedings of the IEEE Symposium on Information Visualization 2005.

- Wilkinson, L. and G. Wills (2008): *Scagnostics Distributions*. Journal of Computational and Graphical Statistics, 17(2), 473-491.

- Wilkinson L. and A. Anand (2012): *scagnostics: Compute scagnostics - scatterplot diagnostics*. R package version 0.2-4.

(2) **Local Gaussian correlation**

Advisor: Malte Kurz (malte.kurz@stat.uni-muenchen.de)

References:

- Berentsen G. D., T. S. Kleppe and D. B. Tjøstheim (2014): *Introducing localgauss, an R Package for Estimating and Visualizing Local Gaussian Correlation*. Journal of Statistical Software, 56(12).

- Tjøstheim D. and K. O. Hufthammer (2013): *Local Gaussian correlation: A new measure of dependence*. Journal of Econometrics, 172(1), 33-48.

(3) **Wine Economics**

Advisor: Dr. Holger Fink (holger.fink@stat.uni-muenchen.de)

References:

- Qiao and Chu (2014), Does fine wine price contain useful information to forecast GDP? Evidence from major developed countries, *Economic Modelling*, 38:75–79.

- Masseta and Henderson (2010), Wine as an Alternative Asset Class, *Journal of Wine Economics*, 5(10):87-118.

- Bouri (2013), Do Fine Wines Blend with Crude Oil? Seizing the Transmission of Mean and Volatility Between Two Commodity Prices, *Journal of Wine Economics*, 8(1):49-68.

- Bouri (2014). Beyond the Negative Relation between Return and Conditional Volatility in the Wine Market: Is Fine Wine particularly luscious for investors?, *International Journal of Wine Business Research*, 26(4), to appear.

- Cevik and Sedik (2011). A Barrel of Oil or a Bottle of Wine: How Do Global Growth Dynamics Affect Commodity Prices?, *IMF Working Paper*, https://www.imf.org/external/pubs/ft/wp/2011/wp1101.pdf.

(4) **CNY and CNH - Onshore and Offshore Renminbi**
Advisor: Dr. Holger Fink (holger.fink@stat.uni-muenchen.de)
References:

- Xiaofeng, Hongsheng and Danqing (2003), On the GARCH Model and the Forecast of Renminbi Exchange Rate, *Studies of Finance* 5, 20-23.

- Cai, Chen and Fang (2012). A new forecasting model for USD/CNY exchange rate. *Studies in Nonlinear Dynamics & Econometrics*, 16, 1558-3708.

- Leung and Fu (2014), Interactions between CNY and CNH Money and Forward Exchange Markets, *HKIMR Working Paper No.13/2014*.

- Cheung and Rime (2014), The Offshore Renminbi Exchange Rate: Microstructure and Links to the Onshore Market, *CESifo Working Paper Series No. 4850*.

- Gagnon and Troutman (2014), Internationalization of the Renminbi: The Role of Trade Settlement. *Peterson Institute for International Economics, Number P B 14-15*

- Cheung, Chinn and Fuhjii (2007), The overvaluation of Renminbi undervaluation, *Journal of International Money and Finance* 26(5), 762–785.

(5) **An introduction to copulas**
Advisor: Christian Groll (Christian.Groll@stat.uni-muenchen.de)
References: see poster handout

(6) **Credit portfolio risk**
Advisor: Christian Groll (Christian.Groll@stat.uni-muenchen.de)
References: see poster handout

General Requirements for 6 ECTS Credits:

(1) writing a term paper (at least 15 pages of text)

(2) presenting the term paper at the seminar (about 30 minutes)

(3) complete attendance

Modus Operandi:

(1) Working language is either German or English (depending on participants' preference).

(2) The topics and additional organizational matters will be addressed in the preparatory meeting at 04:00 pm s.t. on October 09 in room 144 (Ludwigstr. 33).

(3) Every student must pick three topics, list them in a preferential ordering (highest to lowest), and send this list no later than noon of October 13 to one of the above organizers.

(4) The organizers will assign topics according to (highest) preferences (if possible) or by lottery. Students will be informed about the outcome of this assignment process on October 14.

(5) Every student is required to meet with the responsible advisor within the first two weeks after the assignment process is completed.

(6) This seminar will be held as a one-day workshop on January 16 in room 349, Theresienstr. 39.

(7) Term paper submission no later than noon of January 09. No exceptions granted!