

# SCHRIFTENVERZEICHNIS

## VERÖFFENTLICHUNGEN UND ZUR VERÖFFENTLICHUNG AKZEPTIERTE ARTIKEL

- H. Dette, N. Neumeier** (2000). *A note on a specification test of independence*. *Metrika* 51, 133–144.
- H. Dette, N. Neumeier** (2001). *Nonparametric Analysis of Covariance*. *Annals of Statistics* 29, 1361–1400.
- H. Dette, S. Kusi–Appiah, N. Neumeier** (2002). *Testing symmetry in nonparametric regression models*. *Journal of Nonparametric Statistics* 14, 477–494.
- N. Neumeier, H. Dette** (2003). *Nonparametric comparison of regression curves – an empirical process approach*. *Annals of Statistics* 31, 880–920.
- N. Neumeier** (2004). *A central limit theorem for two-sample U-Processes*. *Statistics and Probability Letters* 67, 73–85.
- H. Dette, N. Neumeier, K. Pilz** (2005). *A note on nonparametric estimation of the effective dose in quantal bioassay*. *Journal of the American Statistical Association* 100, 503–510.
- N. Neumeier, H. Dette** (2005). *A note on one-sided nonparametric analysis of covariance by ranking residuals*. *Mathematical Methods of Statistics* 14, 80–104.
- N. Neumeier, H. Dette, E.-R. Nagel** (2005). *A note on testing symmetry of the error distribution in linear regression models*. *Journal of Nonparametric Statistics* 17, 697–715.
- H. Dette, N. Neumeier, K. Pilz** (2006). *A simple nonparametric estimator of a monotone regression function*. *Bernoulli* 12, 469–490.
- P. Hall, N. Neumeier** (2006). *Estimating a bivariate distribution when there are extra data on one or both components*. *Biometrika* 93, 439–450.

- N. Neumeier, H. Dette, E.-R. Nagel** (2006). *Bootstrap tests for the error distribution in linear and nonparametric regression models*. Australian and New Zealand Journal of Statistics 48, 129–156.
- N. Neumeier, S. Sperlich** (2006). *Comparison of Separable Components in Different Samples*. Scandinavian Journal of Statistics 33, 477–501.
- N. Neumeier, H. Dette** (2007). *Testing for symmetric error distribution in nonparametric regression models*. Statistica Sinica 17, 775–795.
- H. Dette, N. Neumeier, I. Van Keilegom** (2007). *A new test for the parametric form of the variance function in nonparametric regression*. Journal of the Royal Statistical Society Series B 69, 903–917.
- A. Munk, N. Neumeier, A. Scholz** (2007). *Nonparametric analysis of covariance – the case of inhomogeneous and heteroscedastic noise*. Scandinavian Journal of Statistics 34, 511–534.
- N. Neumeier** (2007). *A note on uniform consistency of monotone function estimators*. Statistics and Probability Letters 77, 693–703.
- S. Kiwitt, E.-R. Nagel, N. Neumeier** (2008). *Empirical likelihood for the error distribution in nonparametric regression models*. Mathematical Methods of Statistics 17, 241–260.
- N. Neumeier** (2008). *A bootstrap version of the residual-based smooth empirical distribution function*. Journal of Nonparametric Statistics 20, 153–174.
- N. Neumeier** (2009). *Smooth residual bootstrap for empirical processes of nonparametric regression residuals*. Scandinavian Journal of Statistics 36, 204–228.
- N. Neumeier** (2009). *Testing independence in nonparametric regression*. Journal of Multivariate Analysis 100, 1551–1566.
- N. Neumeier, J.C. Pardo-Fernández** (2009). *A simple test for comparing regression curves versus one-sided alternatives*. Journal of Statistical Planning and Inference 139, 4006–4016.
- N. Neumeier, I. Van Keilegom** (2009). *Changepoint tests for the error distribution in nonparametric regression*. Scandinavian Journal of Statistics 36, 518–541.

- B. Muhsal, N. Neumeyer** (2010). *A note on residual-based empirical likelihood kernel density estimation*. Electronic Journal of Statistics 4, 1386–1401.
- N. Neumeyer, I. Van Keilegom** (2010). *Estimating the error distribution in nonparametric multiple regression with applications to model testing*. Journal of Multivariate Analysis 101, 1067–1078.
- A.N. Spiess, N. Neumeyer** (2010). *A re-evaluation of  $R^2$  as an inadequate measure for nonlinear models in pharmacological and biochemical research: a Monte-Carlo approach*. BMC Pharmacology 10:6.
- S. Kiwitt, N. Neumeyer** (2012). *Estimating the conditional error distribution in nonparametric regression*. Erscheint im Scandinavian Journal of Statistics.

#### ARTIKEL IN ÜBERARBEITUNG FÜR ZEITSCHRIFTEN

- M. Birke, N. Neumeyer** *Testing monotonicity of regression functions – an empirical process approach*. In Überarbeitung für das Scandinavian Journal of Statistics.
- S. Kiwitt, N. Neumeyer** *A note on testing for independence by a copula-based order selection approach*. In Überarbeitung für Test.

#### EINGEREICHTE ARTIKEL

- H. Dette, S. Hoderlein, N. Neumeyer** *Testing Multivariate Economic Restrictions Using Quantiles: The Example of Slutsky Negative Semidefiniteness*.
- H. Dette, M. Gühlich, N. Neumeyer** *Testing for additivity in nonparametric quantile regression*.
- L. Selk, N. Neumeyer** *Testing for a change of the innovation distribution in nonparametric autoregression – the sequential empirical process approach*.

## TECHNISCHE REPORTS

**J. Mora, N. Neumeyer** (2005). *The two-sample problem with regression errors: an empirical process approach.*  
<http://www.math.uni-hamburg.de/home/neumeyer/paperjm.pdf>

Preprints:

<http://www.math.uni-hamburg.de/research/ims.html>

## HABILITATIONSSCHRIFT

**N. Neumeyer** (2006). *Bootstrap procedures for empirical processes of non-parametric residuals.* Habilitationsschrift, Ruhr-Universität Bochum.  
<http://www.math.uni-hamburg.de/home/neumeyer/habil.ps>

## DISSERTATION

**N. Neumeyer** (2002). *Vergleich nichtparametrischer Regressionsfunktionen unter Verwendung stochastischer Prozesse.* Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften, Ruhr-Universität Bochum.

<http://www-brs.ub.ruhr-uni-bochum.de/nethtml/HSS/Diss/NeumeyerNatalie/>