Uwe Hassler

Curriculum Vitae and Publications (June 2020)

Personal information

Birth 1963 in Waiblingen (Germany)

Affiliation Goethe University Frankfurt

Position Professor of statistics and econometric methods

Edcuation, services and achievements

2020	Distinguished Author Award (*Journal of Time Series Analysis*)
2014 – 15	Opus magnum grant (VolkswagenStiftung)
2009 –	Associate editor of *Advances in Statistical Analysis (AStA)*
2009 – 13	Chairman of the Committee for Econometrics of the “Association of German Speaking Economists” (Verein für Socialpolitik)
2007	Offer of full professorship of econometrics at Freie Universität Berlin (declined)
2005 –13	Research professor at the “Centre for European Economic Research”, Mannheim
2004 –08	Chairman of the Committee for New Statistical Methods (of the German Statistical Society)
2003 –	Full professor of statistics and econometric methods, Goethe-Universität Frankfurt
2002 – 03	Associate professor of empirical economics and macroeconometrics, TU Darmstadt
2001	Offer of full professorship of econometrics, Universität Münster (declined)
1999/00	Visiting professor, Ludwig-Maximilians-Universität München
1999	Visiting professor, Universidad Carlos III de Madrid
1994 – 01	Assistant professor at Freie Universität (FU) Berlin
1993	Doctoral degree at FU Berlin
1989	Diploma (about Master degree) in economics, FU Berlin
1986/87	Studies of statistics and econometrics at the London School of Economics
1986	Pre-diploma (about Bachelor degree) in mathematics, FU Berlin

Books

1. *Time Series Analysis with Long Memory in View*, Wiley (Series in Probability and Statistics), 2019.
2. *Stochastic Processes and Calculus: An Elementary Introduction with Applications*, Springer, 2016.
3. *Introduction to Modern Time Series Analysis* (with G. Kirchgässner and J. Wolters), Springer, 2013.

10 selected papers

2020 "Harmonically Weighted Processes", *Journal of Time Series Analysis* 41, 41-66 (with M. Hosseinkouchack).

2019 "Ratio Tests under Limiting Normality", *Econometric Reviews* 38, 793-813 (with M. Hosseinkouchack).

2016 "(When) Do Long Autoregressions Account for Neglected Changes in Parameters?", *Econometric Theory* 32, 1317-1348 (with M. Demetrescu).

2011 "Estimation of Fractional Integration under Temporal Aggregation", *Journal of Econometrics* 162, 240-247.

2010 "Impulse Responses of Fractionally Integrated Processes with Long Memory", *Econometric Theory* 26, 1855-1861 (with P. Kokoszka).

2009 "Testing for General Fractional Integration in the Time Domain", *Econometric Theory* 25, 1793-1828 (with P.M.M. Rodrigues and A. Rubia).

2008 "Long Memory Testing in the Time Domain", *Econometric Theory* 24, 176-215 (with M. Demetrescu and V. Kuzin).

2006 "Residual Log-Periodogram Inference for Long-run Relationships", *Journal of Econometrics* 130, 165 - 207 (with F. Marmol and C. Velasco).

2006 "A Residual-Based LM Type Test Against Fractional Cointegration", *Econometric Theory* 22, 1091-1111 (with J. Breitung).

2002 "Inference on the Cointegration Rank in Fractionally Integrated Processes", *Journal of Econometrics* 110, 167-185 (with J. Breitung).

Further papers in refereed journals

1. "Estimating the Mean Under Strong Persistence", *Economics Letters* 188 (2020), https://doi.org/10.1016/j.econlet.2020.108950 (with Mehdi Hosseinkouchack).

2. "Testing the Newcomb-Benford Law: experimental evidence", *Applied Economics Letters* 26 (2019), 1762-1769 (with Mehdi Hosseinkouchack).

3. "Note on Sample Quantiles for Ordinal Data", *Statistical Papers* (2018), https://doi.org/10.1007/s00362-018-1054-5.

4. "Ergodic for the Mean", *Economics Letters* 151 (2017), 75-78.

5. "Powerful Unit Root Tests Free of Nuisance Parameters", *Journal of Time Series Analysis* 37 (2016), 533-554 (with Mehdi Hosseinkouchack).

6. "Quantile Regression for Long Memory Testing: A case of Realized Volatility", *Journal of Financial Econometrics* 14 (2016), 693-724 (with Paulo M.M. Rodrigues and Antonio Rubia).

7. "Panel Cointegration Testing in the Presence of Linear Time Trends", *Econometrics* 4 (2016), 1-45 (with M. Hosseinkouchack).

8. "Persistence in the Banking Industry: Fractional Integration and Breaks in Memory", *Journal of Empirical Finance* 29 (2014), 95-112 (with P.M.M. Rodrigues and A. Rubia).

9. "Effect of the Order of Fractional Integration on Impulse Responses", *Economics Letters* 125 (2014), 311-314 (with M. Hosseinkouchack).

10. "Persistence under Temporal Aggregation and Differencing", *Economics Letters* 124 (2014), 318-322.

11. "Multiple Comparisons and Joint Significance in Panel Unit Root Testing with Evidence on International Interest Rate Linkage", *Journal of Economics and Statistics* 234 (2014), 23-43 (with V. Werkmann).

12. "Detecting Multiple Breaks in Long Memory: The case of U.S. inflation", *Empirical Economics* 46 (2014), 653-680 (with B. Meller).

13. "Temporal Aggregation of Multiple Time Series in the Frequency Domain", *Journal of Time Series Analysis* 34 (2013), 562-573.

14. "Asymptotic Behavior of Temporal Aggregates in the Frequency Domain", *Journal of Time Series Econometrics* 5 (2013), 47-60 (with H. Tsai).

15. “Semiparametric Inference and Bandwidth Choice under Long Memory: experimental evidence”, *ISTATISTIK* 6 (2013), 27-41 (with M. Olivares).

16. “Impulse Responses of Antipersistent Processes”, *Economics Letters* 116 (2012), 454-456.

17. “Pitfalls of Post-Model-Selection Testing: Experimental quantification”, *Empirical Economics* 40 (2011), 359-372 (with M. Demetrescu and V. Kuzin).

18. “Asymptotic Normal Tests for Integration in Panels with Cross-Dependent Units”, *Advances in Statistical Analysis* 95 (2011), 187-204 (with M. Demetrescu and A. Tarcolea).

19. “Detecting Changes from Short to Long Memory”, *Statistical Papers* 52 (2011), 847-870 (with J. Scheithauer).

20. ” Testing Regression Coefficients after Model Selection through Sign Restrictions”, *Economics Letters* 107 (2010), 220-223.

21. “Testing for Stationarity in Large Panels with Cross-Dependence, and US Evidence on Unit Labor Cost”, *Journal of Applied Statistics* 37 (2010), 1381-1397 (with M. Demetrescu and A. Tarcolea).

22. “Hysteresis in Unemployment Rates? A Comparison between Germany and the US”, *Journal of Economics and Statistics* 229 (2009), 119-129 (with J. Wolters).

23. “Cointegration Analysis under Measurement Errors” in: *Advances in Econometrics, Vol. 24: Measurement Error - Econometrics and Practice* (2009) edited by Jane Binner, David Edgerton, and Thomas Elger (with V. Kuzin).

24. “On Critical Values of Tests against a Change in Persistence”, *Oxford Bulletin of Economics and Statistics* 70 (2008), 705-710 (with J. Scheithauer).

25. “Fractional Cointegration in the Presence of Linear Trends”, *Journal of Time Series Analysis* 29 (2008), 1088-1103 (with F. Marmol and C. Velasco).

26. “On the Persistence of the Eonia Spread”, *Economics Letters* 101 (2008), 184-187 (with D. Nautz).

27. “Comment on ‘Long-Run Relationships Between Labor and Capital: Indirect Evidence on the Elasticity of Substitution’ ”, *Journal of Macroeconomics* 30 (2008), 757-759.

28. “Multicointegration under Measurement Errors”, *Economics Letters* 96 (2007), 38-44.

29. “Effect of Neglected Deterministic Seasonality on Unit Root Tests”, *Statistical Papers* 48 (2007), 385-402 (with M. Demetrescu).

30. "Combining Significance of Correlated Statistics with Application to Panel Data", *Oxford Bulletin of Economics and Statistics* 68 (2006), 647-663 (with M. Demetrescu and A. Tarcolea).

31. "A Note on Phillips-Perron-type Statistics for Cointegration Testing", *Economics Bulletin* 3 (2006), 1-7.

32. "Unit Root Testing", *Allgemeines Statistisches Archiv* 90 (2006), 43-58 (with J. Wolters).

33. "Autoregressive Distributed Lag Models and Cointegration", *Allgemeines Statistisches Archiv* 90 (2006), 59-74 (with J. Wolters).

34. "Combining Multi-country Evidence on Unit Roots: The Case of Long-term Interest Rates", *Applied Economics Quarterly* 51 (2005), 181-189 (with A.-I. Tarcolea)

35. "Spurious Persistence and Unit Roots due to Seasonal Differencing: The Case of Inflation Rates" *Journal of Economics and Statistics* 225 (2005), 413-426 (with M. Demetrescu).

36. "Seasonal Unit Root Tests under Structural Breaks", *Journal of Time Series Analysis* 25 (2004), 33-53 (with P.M.M. Rodrigues).

37. "Nonsense Correlation and Biased Correlation due to Heterogeneous Samples", *Journal of the Royal Statistical Society D* 52 (2003), 367-379 (with Th. Thadewald).

38. "Nonsense Regressions due to Neglected Time-varying Means", *Statistical Papers* 44 (2003), 169-182.

39. "Inflation-Unemployment Tradeoff and Regional Labour Market Data", *Empirical Economics* 28 (2003), 321-334 (with M. Neugart).

40. "Dickey-Fuller Cointegration Tests in the Presence of Regime Shifts at Known Time", *Allgemeines Statistisches Archiv*, 86 (2002), 263-276.

41. "Wealth and Consumption: A Multicointegrated Model for the Unified Germany", *Journal of Economics and Statistics* 221 (2001), 32-44.

42. "The Effect of Linear Time Trends on Residual-Based Tests for the Null of Cointegration", *Journal of Time Series Analysis* 22 (2001), 283-292.

43. "Simple Regressions in the Presence of Linear Time Trends", *Journal of Time Series Analysis* 21 (2000), 27-32.

44. "Cointegration Testing in Single Error-Correction Equations in the Presence of Linear Time Trends", *Oxford Bulletin of Economics and Statistics* 62 (2000), 621-632.

45. “The KPSS Test for Cointegration in Case of Bivariate Regressions with Linear Trends”, *Econometric Theory, Problems & Solutions* 16 (2000), 451-453.

46. “(When) Should Cointegrating Regressions be Detrended? The Case of a German Money Demand Function”, *Empirical Economics* 24 (1999), 155-172.

47. “The Link between German Short- and Long-Term Interest Rates”, *Jahrbücher für Nationalökonomie und Statistik* 217 (1998), 214-226 (with D. Nautz).

48. “A Note on Correlation in Regressions Without Cointegration”, *Jahrbücher für Nationalökonomie und Statistik* 217 (1998), 518-523.

49. “A Note on Spurious Seasonality when Time Series Have Linear Trends”, *ifo Studien* 44 (1998), 15-23 (with D. Nautz).

50. “Limiting Efficiency of OLS vs. GLS when Regressors are Fractionally Integrated”, *Economics Letters* 60 (1998), 285-290 (with W. Krämer).

51. “Die Zinsstruktur am deutschen Interbanken-Geldmarkt: Eine empirische Analyse für das vereinigte Deutschland”, *ifo studien* 44 (1998), 141-160 (with J. Wolters).

52. “Sample Autocorrelations of Nonstationary Fractionally Integrated Series”, *Statistical Papers*, 38 (1997), 43-62

53. “On the Effect of Seasonal Adjustment on the Log-Periodogram Regression”, *Economics Letters* 56 (1997), 135-141 (with M. Ooms).

54. “Spurious Regressions when Stationary Regressors are Included”, *Economics Letters* 50 (1996), 25-31.

55. “Nonsense Correlation between Time Series with Linear Trends”, *Allgemeines Statistisches Archiv* 80 (1996), 227-235.

56. “Long Memory in Inflation Rates: International Evidence”, *Journal of Business and Economic Statistics* 13 (1995), 37-45 (with J. Wolters).

57. “The Periodogram Regression: Correction and Comments”, *Communication in Statistics - Theory and Methods* 24 (1995), 3137-3146.

58. “The Sample Autocorrelation Function of I(1) Processes”, *Statistical Papers* 35 (1994), 1-16.

59. “(Mis)Specification of Long Memory in Seasonal Time Series”, *Journal of Time Series Analysis* 15 (1994), 19-30.

60. "On the Power of Unit Root Tests against Fractional Alternatives", *Economics Letters* 45 (1994), 1-5 (with J. Wolters).

61. "Unit Root Tests: The Autoregressive Approach in Comparison with the Periodogram Regression", *Statistical Papers* 34 (1993), 67-82.

62. "Regression of Spectral Estimators with Fractionally Integrated Time Series", *Journal of Time Series Analysis* 14 (1993), 369-380.

Papers without refereeing

1. "Distribution of the Durbin-Watson Statistic in Near-Integrated Processes", in: J. Beran, Y. Feng, and H. Hebbel (eds.): *Empirical Economic and Financial Research*, Springer, 2015 (with Mehdi Hosseinkouchack).

2. "Leitfaden zum Testen und Schätzen von Kointegration", in: W. Gaab, U. Heilemann und J. Wolters (Hrsg.): *Arbeiten mit ökonometrischen Modellen*, Physika-Verlag, 2004, 85-115.

3. "Zeitabhängige Volatilität und instationäre Zeitreihen: Zum Nobelpreis an Robert F. Engle und Clive W.J. Granger", *Wirtschaftsdienst* 83 (2003), 811-816.

4. "The Effects of Linear Time Trends on Cointegration Testing in Single Equations", in: A. Tavidze (eds.): *Progress in Economics Research, vol. 5*, Nova Science Publisher, 2003, 165-181.

5. "(Co-)Integration Testing under Structural Breaks: A Survey with Special Emphasis on the German Unification", in: R. Pohl und P. Galler (eds.): *Implikationen der Währungsunion für makroökonometrische Modelle*, Nomos, 2001, 113-126.

6. "Forecasting Money Market Rates in the Unified Germany", in: R. Friedmann, L. Knüppel und H. Lütkepohl (eds.): *Econometric Studies: A Festschrift in Honour of Joachim Frohn*, LIT-Verlag, 2001, 185-201 (with J. Wolters).

Books in German

1. *Statistik im Bachelor-Studium: Eine Einführung für Wirtschaftswissenschaftler*, Springer, 2018.

2. *Stochastische Integration und Zeitreihenmodellierung: Eine Einführung mit Anwendungen aus Finanzierung und Ökonometrie*, Springer, 2007.

3. *Regressionen trendbehafteter Zeitreihen in der Ökonometrie*, Verlag für Wissenschaft und Forschung, 2000.

4. *Fraktional integrierte Prozesse in der Ökonometrie*, Haag + Herchen Verlag, 1993.