Geert Dhaene

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Contact

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Personal

Date of birth: November 20, 1959
Citizenship: Belgium

Research interests

Econometric theory

Education

1980 B.A. in engineering, KU Leuven
1985 M.A. in sociology, KU Leuven
1986 M.A. in economics, KU Leuven
1993 Ph.D. in economics, KU Leuven

Appointments

1996-97 Assistant Professor, Université de Mons-Hainaut
1997-99 Associate Professor (Chargé de cours), Université de Mons-Hainaut
1999-01 Associate Professor (Docent), Universiteit Gent
2001-04 Associate Professor (Hoofddocent), Katholieke Universiteit Leuven
2003-04 Guest Professor, Université catholique de Louvain
2004-08 Professor (Hoogleraar), Katholieke Universiteit Leuven
2008- Professor (Gewoon hoogleraar), Katholieke Universiteit Leuven

Fellowships and visiting

1993-94 EU Human Capital and Mobility Fellow, Tinbergen Institute Rotterdam
1994-97 Post-doctoral research fellow, FWO (Flemish Science Foundation)
1995 (2 months) Visiting researcher, CREST, INSEE, Paris
1996 (1 month) Visiting researcher, CREST, INSEE, Paris
2011 (4 months) Visiting professor, Brown University

Teaching

Introductory econometrics, intermediate econometrics, graduate econometrics, financial econometrics, introductory statistics, mathematical economics, introductory economics

Research grants

2001-2004 Research grant from FWO (Flemish Science Foundation). Project title: “Econometric inference in misspecified models.”

2003-2006 Research grant from FWO (Flemish Science Foundation). Project title: “Statistical inference for inequality measures, poverty indices, and stochastic dominance of income distributions, with applications to the Belgian case” (with André Decoster).

2004-2007 Research grant from FWO (Flemish Science Foundation). Project title: “Optimal hedge ratios for commodity price risk: New versus old estimators” (with Piet Sercu).

2007-2011 Research grant from FWO (Flemish Science Foundation). Project title: “Bias reduction for nonlinear dynamic panel data estimators.”

2011-2015 Research grant from FWO (Flemish Science Foundation). Project title: “Exact and approximate solutions to incidental parameter problems.”

2015-2019 Research grant from FWO (Flemish Science Foundation). Project title: “Aggregate demand models for differentiated products: computation, inference, and applications” (with Frank Verboven).

Award

1995 Award of the “Vereniging voor Economie” (Flemish Economic Association) for best paper, “The limit distributions of Wald and score vectors and a modified loglikelihood ratio under general conditions.”

Professional service

Programme Chair of the 14th EC2 Conference on Endogeneity, Instruments and Identification in Econometrics, Centre for Microdata Methods and Practice, London, 12-13 December 2004.

Guest Editor of the *Journal of Econometrics*, special issue on Endogeneity, Instruments and Identification (with Andrew Chesher and Herman van Dijk), 2007.

Referee for

Annals of Statistics, Belgian Journal of Operational Research, Bulletin of Economic Research, Computational Economics, Computational Statistics, Computational Statistics and Data Analysis, Econometric Reviews, Econometric Theory, Economics Bulletin, European Journal of Operational Research, European Journal of Political Research, Journal of Applied Econometrics, Journal of Business & Economic Statistics, Journal of Computational and Applied Mathematics, Journal of Econometrics, Journal of Economic Behavior and Organization, Journal of Financial Econometrics, Journal of Health Economics, Journal of Multivariate Analysis, Journal of the European Economic Association, Journal of the Royal Statistical Society A, Metron, Papers in Regional Science, Review of Economic Studies, Singapore Economic Review, Stat, Statistics and Probability Letters.

Publications

In international refereed journals

Dhaene, G., and A.P. Barten (1989), When it all began: the 1936 Tinbergen model revisited, *Economic Modelling*, **6**, p. 203-219.

Dhaene, G. (1997), Ordered-Reversed Stochastic Processes May Be Nonstochastic, *Econometric Theory*, **13**, 765-766.

Dhaene, G. (1997), Linear Combinations of Stationary Processes, *Econometric Theory*, **13**, 897.

Dhaene, G., C. Gouriéroux, and O. Scaillet (1998), Instrumental Models and Indirect Encompassing, *Econometrica*, **66**, 673-688.

De Ceuster, M., G. Dhaene, and T. Schatteman (1998), On the Hypothesis of Psychological Barriers in Stock Markets and Benford's Law, *Journal of Empirical Finance*, **5**, 263-279.

Schokkaert, E., G. Dhaene, and C. Van de Voorde (1998), Risk Adjustment and the Trade-Off between Efficiency and Risk Selection: an Application of the Theory of Fair Compensation, *Health Economics*, **7**, 465-480.

Dhaene G. (1999), Minimum Distance Estimation with L1 Norm, *Econometric Theory*, **15**, 903.

Dhaene, G. (2000), The Eigenvalue Decomposition of a Symmetric Matrix, *Econometric Theory*, **16**, 292-294.

Dhaene, G. (2001), Determinant of a Skew Symmetric Matrix, *Econometric Theory*, **17,** 277-278.

Dhaene, G. (2001), A Necessary and Sufficient Condition for the Equivalence of Affine Unbiased Estimators, *Econometric Theory*, **17,** 669 and **18**, 820.

Dhaene, G. (2002), Serial Correlation and Asymptotic Variance, *Econometric Theory*, **18,** 1287-1289.

Dhaene, G. (2002), Minimax Median, *Econometric Theory*, **18,** 1461-1463.

Linton, O., D. Kristensen, and G. Dhaene (2002), An Alternative GLS-like Transformation in Regression Models with AR(1)-errors, *Econometric Theory*, **18,** 1008-1010 and 1466.

Dhaene, G., E. Schokkaert, and C. Van de Voorde (2003), Best Affine Unbiased Response Decomposition, *Journal of Multivariate Analysis*, **18**, 242-253.

Dhaene G. (2004), Redundancy of lagged regressors in a conditionally heteroskedastic time series regression, *Econometric Theory*, **20**, 227.

Dhaene G. and L. Lauwers (2004), Characterizations of Hermitian projectors, *Econometric Theory*, **20**, 427.

Bouckaert, J. and G. Dhaene (2004), Inter-Ethnic Trust and Reciprocity: Results of an Experiment with Small Businessmen, *European Journal of Political Economy*, **20**, 869-886.

Dhaene, G. and D. Hoorelbeke (2004), The Information Matrix Test with Bootstrap-Based Covariance Matrix Estimation, *Economics Letters*, **82**, 341-347.

Croux, C., G. Dhaene and D. Hoorelbeke (2006), Testing the information matrix equality with robust estimators, *Journal of Statistical Planning and Inference*, **136**, 3583-3613.

Chesher, A., G. Dhaene and H. van Dijk (2007), Guest editorial: Endogeneity, Instruments and Identification in Econometrics, *Journal of Econometrics*, **139**, 1-3.

de Ville de Goyet, C., G. Dhaene, and P. Sercu, P. (2008). Testing the martingale hypothesis for futures prices: implications for hedgers, *The Journal of Futures Markets*, **28**, 1040-1065.

Dhaene, G. and J. Bouckaert (2010), Sequential reciprocity in two-player, two-stage games: An experimental analysis, *Games and Economic Behavior*, **70**, 289-303.

Dhaene, G. and J.M.C. Santos Silva (2012), Specification and testing of models estimated by by quadrature, *Journal of Applied Econometrics*, **27**, 322-332.

De Blander, R. and G. Dhaene (2012), Unit root tests for panel data with AR(1) errors and fixed T, *Econometrics Journal*, **15**, 101-124.

Dhaene, G. and Koen Jochmans (2015), Split-panel jackknife estimation of fixed-effect models, *The Review of Economic Studies*, forthcoming.

Dhaene, G. and Koen Jochmans (2015), Likelihood inference in an autoregression with fixed effects, *Econometric Theory*, forthcoming.

Books

Barten, A.P., D. de Crombrugghe, J. Baras, E. Schokkaert, and G. Dhaene (1989), *Econometrische lessen*, Academic Service, Schoonhoven.

Dhaene, G. (1997), Encompassing. Formulation, Properties and Testing, *Lecture Notes in Economic and Mathematical Systems*, **446**, Springer-Verlag, Berlin.

Other publications

Barten, A.P., and G. Dhaene (1988), “Pratique des modèles macro-économétriques”, in CORE, *Gestion de l'économie et de l'entreprise. L'approche quantitative*, De Boeck, Brussels, p. 93-114.

Dhaene, G. (1993), The limit distributions of Wald and score vectors and a modified loglikelihood ratio under general conditions, *Proceedings of the 8th International Workshop on Statistical Modelling*, 215-220.

Dhaene, G. (1995), Testing non-nested demand systems, *Tijdschrift voor Economie and Management*, **XL**, **3-4,** 301-322.

Schokkaert, E., G. Dhaene, H. Lustig, C. Van de Voorde, P. Kestens, J.-M. Laasman, B. Lange, and M. Lona (1996), Dépenses Normatives des Organismes Assureurs dans le Cadre de l'Introduction de la Responsabilité Financière (1995-1996), *Cahiers Economiques de Bruxelles*, **149**, 3-30.

Schokkaert, E., P. Kestens, G. Dhaene, H. Lustig, C. Van de Voorde, J.-M. Laasman, B. Lange, and M. Lona (1996), Normuitgaven voor de Belgische Ziekenfondsen: de eerste fase, *Openbare uitgaven*, **4**, 195-204.

Dhaene, G. (2001), Book Review: Aris Spanos. Probability Theory and Statistical Inference: Econometric Modeling with Observational Data, *Journal of the American Statistical Association*, **96**, 1527-1528.

Dhaene, G. (2004), Indirect Inference for Stochastic Volatility Models via the Log-Squared Observations, *Tijdschrift voor Economie and Management,* **XLIX**, 421-440.