

Michael Johan von Maltitz

Short Curriculum Vitae, October 2017

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Education

Tertiary Education

University attended: University of the Free State (UFS)

Degrees

- PhD Mathematical Statistics (2015)
- M.Sc. Mathematical Statistics*(2007); B.Sc.Hons. Mathematical Statistics* (2006)
- M.Com. Economics* (2005); B.Com.Hons. Money and Banking* (2004)
- B.Sc. w/spec. Actuarial Science* (2003)

*Degree with distinction

Professional papers completed

- CFA Level I (2008)
- Earned exemption from the Institute and Faculty of Actuaries subjects CT1-CT8

Major awards

- **2007:** Dean's Award (Best Master's degree in the Faculty of Natural and Agricultural Sciences)
- **2005:** Best postgraduate dissertation/thesis and degree in the Economics Department
- **2005:** Founders medal from the Economic Society of South Africa for the best extended dissertation in economics in South Africa
- **2004:** ABSA Bank prize for the best postgraduate in Money and Banking
- **2003:** Senate Medal (Best bachelor's degree in the UFS)
- **2003:** Dean's Award (Best bachelor's degree in the Faculty of Natural and Agricultural Sciences)

Secondary Education

School attended: St Andrew's School, Bloemfontein (1988-1999)

Subjects: English 1st language HG, Afrikaans 2nd language HG, Mathematics HG, Physical Science HG, Accounting HG, Latin HG (all with distinction), French HG.

Major awards:

- **1999:** School Scholar
- **1999:** Top 100 Achiever in Free State Matric Examinations
- **1998, 1999:** Final Round of Old Mutual National Senior Mathematics

- **1998, 1999:** Free State Senior Mathematics Team

Academic Work Experience:

Positions held

- Programme Director: Mathematical Statistics and Actuarial Science, UFS (2009-)
- Lecturer at the Mathematical Statistics Department, UFS (2007-)
- Junior Lecturer at the Mathematical Statistics Department, UFS (2006)
- Assistant Researcher at the Economics Department, UFS (2005)
- Research Assistant at the Economics Department, UFS (2004)

Awards:

- **2015:** Selected to be a member of the Vice Chancellor's Prestige Scholars Programme (PSP)
- **2013:** Middleton Award for best published article amongst first-time authors for the South African Journal of Economics for the December 2011 to September 2012 cycle.
- **2012:** UFS Natural and Agricultural Sciences Faculty Teaching Award for a Junior Staff Member

Work experience summary

- Research experience: 14 years
- Lecturing experience: 12 years
- Administrative experience: 9 years

Software knowledge

- Matlab, LaTeX, Excel, STATA, Statistica, SPSS, R

Peer-Reviewed Publications

- Nienkemper-Swanepoel, J., and **von Maltitz, M.J.** (2017). Investigating the Performance of a Variation of Multiple Correspondence Analysis for Multiple Imputation in Categorical Data Sets. *Journal of Classification* 34. doi: 10.1007/s00357-017-9238-6.
- Strauss, T. and **von Maltitz, M.J.** (2017). Generalising Ward's Method for Use with Manhattan Distances. *PLoS ONE* 12(1): e0168288. doi: 10.1371/journal.pone.0168288
- **von Maltitz, M.J.** and van der Merwe, A. J. (2012). An Application of Sequential Regression Multiple Imputation on Panel Data. *South African Journal of Economics* 80(1): 77-90.
- Pretorius, J. and **von Maltitz, M.J.** (2010). Artistry in Education and Aesthetic Education: A Report of Arts-Based Staff Training and Learning. *Journal for New Generation Sciences* 8(3): 120-151.
- Burger, R., Booysen, F., van der Berg, S., and **von Maltitz, M.** (2008). Marketing Wealth in a Poor African Country: Wealth Accumulation by Households in Ghana. In J.B. Davies (Ed), *Personal Wealth from a Global Perspective* (pp. 248-268). New York: Oxford University Press.

- Booysen, F., van der Berg, S., Burger, R., **von Maltitz, M.**, and du Rand, G. (2008). Using an Asset Index to Assess Trends in Poverty in Seven Sub-Saharan African Countries. *World Development* 36(6): 1113-1130.

Technical Reports submitted / pending submission

- Britz, S.S. and **von Maltitz, M.J.** Application of the Hungarian Algorithm in Baseball Team Selection and Assignment. *In the process of editing for re-submission in 2018.*
- **von Maltitz, M.J.**, and van der Merwe, A.J. A Robust Model for Use in Sequential Regression Multiple Imputation. *Submitted to the Journal of Survey Methodology in November, 2015. Response received 2017; in process of editing for resubmission in 2018.*
- **von Maltitz, M.J.**, and van der Merwe, A.J. Bayesian Estimation of a Robust Alternative to the Probit Model for Classification and Prediction. *To be finalised and submitted for publication in 2018.*

Post-graduate student development

Completed supervision

- Supervisor for 13 honours-level short dissertations and co-supervisor for one (2009-)
- Supervisor for three Masters-level short dissertation, and co-supervisor for one (2008-)
- Supervisor for one completed Masters-level dissertation (2012-)

Current supervision

- Supervisor for one Masters-level full dissertations, one Masters-level medium dissertation, and two PhDs.

Conferences, workshops, and invited talks

International conferences

- Attended 4 conferences – 3 statistical (presented at all), 1 economic

National conferences

- Attended 12 conferences – 10 statistical, 2 economic; presented a paper at each

Workshops

- Attended 5 local workshops (presented papers at all)

Invited Talks

- Presented 1 seminar at a national academic institution (University of Stellenbosch, 2013)
- Presented 1 seminar at an international academic institution (Survey Research Center at the Institute for Social Research, University of Michigan, 2015)

References

Prof R Schall

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Please note that an extended curriculum vitae is available on request.