

Other Manuscripts (*in reverse chronological order*)

- Tran, C-D.T.T., G.E. Battese, and R.A. Villano (2019), "Administrative capacity assessment in higher education: The case of universities in Vietnam", Unpublished paper, International College of Management Sydney, 27 pp. (submitted for publication).
- Steen, J.T., S. Ahmad, M-L. Verreynne, G.E. Battese and A. Burki, with collaborators M.A. Khan, A. Hussain, A. Jabbar and N. Akmal (2016), Final Report for ADP/2015/004: "Farmers' Capabilities, Productivity and Profitability: A Case Study of Smallholders in Selected Agro Zones in Pakistan", Australian Centre for International Agricultural Research (ACIAR), GPO Box 1571, Canberra, ACT 2601, Australia, <http://aciarc.gov.au/publication/fr2016-32>, ISBN: 978-1-925436-83-9.
- Battese, G.E. (2016), "A Sampling Plan for the NISR Seasonal Agricultural Survey 2017", Report to the National Institute of Statistics of Rwanda (NISR), Kigali, Rwanda, 13 pp.
- Battese, G.E. (2017), "A Sampling Plan for the 2017/18 Seasonal Agricultural Survey at the NISR", Report to the National Institute of Statistics of Rwanda, 17 pp.
- Asante, B.O., R.A. Villano, I.W. Patrick, and G.E. Battese (2016), "Adoption of Dual-purpose Cowpea and Groundnut Varieties in Integrated Crop-livestock Systems in Ghana", Unpublished paper, UNE School of Business, University of New England, Armidale, NSW.
- Asante, B.O., R.A. Villano, and G.E. Battese (2015), "Economies of Scope and Technical Efficiency of Crop-livestock Systems in Ghana", Unpublished paper, UNE School of Business, University of New England, Armidale, NSW.
- Wiboonpongse, A., Y. Chaovanapoonphol, and G.E. Battese (2009), "Inefficiency in Agricultural Markets: Asymmetric Rice Price Transmission in Thailand", Unpublished paper, Department of Agricultural Economics, Chiang Mai University, Chiang Mai, Thailand, 20 pp.
- Villano, R.A., C.J. O'Donnell, and G.E. Battese (2005), "An Investigation of Production Risk, Risk Preferences and Technical Efficiency: Evidence from Rainfed Lowland Rice Farms in the Philippines", *Working Paper Series in Agricultural and Resource Economics* No. 2005-1, School of Economics, University of New England, Armidale, NSW, Australia. **(16)**
- Aijebefun, I.A., and G.E. Battese (2002), "Analysis of Technical Efficiency and Policy Options in Small-scale Food Crop Production in South-western Nigeria", unpublished paper, Department of Agricultural Economics and Extension, Federal University of Technology, Akure, Nigeria, 17 pp.
- Battese, G.E., D.S.P. Rao, and C.J. O'Donnell (2002), "A Metafrontier Production Function for Estimation of Technical Efficiencies and Technology Gaps for Firms Operating Under Different Technologies", *CEPA Working Papers*, No. 2/2002, School of Economics, University of New England, Armidale, NSW, 20 pp.
- Daryanto, H.K.S., G.E. Battese, and E.M. Fleming (2002), "Technical Efficiencies of Rice Farmers Using Different Irrigation Systems in Different Cropping Seasons in West Java, Indonesia", *CEPA Working Papers*, No. 1/2002, School of Economics, University of New England, Armidale, NSW, 27 pp. **(5)**

- Battese, G.E., D.S.P. Rao, and D. Walujadi (2001), "Technical Efficiency and Productivity of Firms Using a Stochastic Metaproduction Frontier", *Efficiency Series Paper 8/2001*, Permanent Seminar on Efficiency and Productivity, Departamento de Economia, Universidad de Oviedo, Oviedo, Spain, 20 pp.
- Battese, G.E., D.S.P. Rao, and D. Walujadi (2001), "Technical Efficiency and Productivity of Garment Firms in Different Regions in Indonesia: A Stochastic Frontier Analysis Using a Time- varying Inefficiency Model and a Metaproduction Function", *CEPA Working Papers*, No. 7/2001, Centre for Efficiency and Productivity Analysis, School of Economics, University of New England, Armidale, 26 pp.

- Battese, G.E., and D.S.P. Rao (2001), "Productivity Potential and Technical Efficiency Levels of Firms in Different Regions Using a Stochastic Frontier Metaproduction Function Model", *CEPA Working Papers*, No. 6/2001, Centre for Efficiency and Productivity Analysis, School of Economics, University of New England, Armidale, 10 pp. **(6)**
- Tveterås, R., and G.E. Battese (2001), "The Influence of Regional Agglomeration Externalities on Efficiency in Norwegian Salmon Aquaculture", *CEPA Working Papers*, No. 1/2001, ISBN 1 86389 7399, School of Economics, University of New England, Armidale, 27 pp. **(12)**
- Battese, G.E., and S. Hassan (1998), "Technical Efficiency of Cotton Farmers in a Region of the Punjab, Pakistan", *CEPA Working Papers*, No. 8/98, Centre for Efficiency and Productivity Analysis, University of New England, Armidale, 20 pp.
- Battese, G.E. (1998), "A Stochastic Frontier Model for the Analysis of the Effects of Quality of Irrigation Water on Crop Yields", *CEPA Working Papers*, No. 9/98, Centre for Efficiency and Productivity Analysis, University of New England, Armidale, 10 pp.
- Battese, G.E., A. Heshmati, and L. Hjalmarsson (1998), "Efficiency of Labour Use in the Swedish Banking Industry: A Stochastic Frontier Approach", *CEPA Working Papers*, No. 6/98, Centre for Efficiency and Productivity Analysis, University of New England, Armidale, 29 pp.
- Lundvall, K., and G.E. Battese (1998), "Firm Size, Age and Efficiency: Evidence from Kenyan Manufacturing Firms", *CEPA Working Papers*, No. 7/98, Centre for Efficiency and Productivity Analysis, University of New England, Armidale, 40 pp.
- Bayarsaihan, T., G.E. Battese, and T.J. Coelli, (1998), "Productivity of Mongolian Grain Farming: 1976-89", *CEPA Working Papers*, No. 2/98, Department of Econometrics, University of New England, Armidale, 26 pp. **(11)**
- Battese, G.E. (1997), *Topics in Statistics and Econometrics*, Lecture Notes for a Short Course at the University of Agriculture, Faisalabad, Pakistan, 140 pp.
- Ajibefun, I.A., G.E. Battese, and A.G. Daramola (1996), "Investigation of Factors Influencing the Technical Efficiencies of Smallholder Croppers in Nigeria", *CEPA Working Papers*, 9/96, Centre for Efficiency and Productivity Analysis, University of New England, Armidale, 19 pp.
- Ajibefun, I.A., Battese, G.E., and Kada, R. (1996), "Technical Efficiency and Technological Change in the Japanese Rice Industry: A Stochastic Frontier Analysis", *CEPA Working Papers*, No. 9/96, ISBN 1 86389 4997, Department of Econometrics, University of New England, Armidale, 22 pp. **(9)**
- Nsanzugwanko, M.D., G.E. Battese, and E.M. Fleming (1996), "The Technical Efficiency of Small Agricultural Producers in Central Ethiopia", *CEPA Working Papers*, No. 5/96, Centre for Efficiency and Productivity Analysis, University of New England, Armidale, 16 pp. **(13)**
- Battese, G.E. (1996), "On the Estimation of Production Functions Involving Explanatory Variables Which Have Zero Values", *Working Papers in Econometrics and Applied Statistics*, No. 86, Department of Econometrics, University of New England, Armidale, 6 pp. **(4)**

- Battese, G.E., and M. Bernabe (1993), "An Investigation of Stochastic Frontier Production Functions Involving Farmer Characteristics Using ICRISAT Data from Three Indian Villages", *Working Papers in Econometrics and Applied Statistics*, No. 72, Department of Econometrics, University of New England, 38 pp.
- Battese, G.E., and T.J. Coelli (1993), "A Stochastic Frontier Production Function Incorporating a Model for Technical Inefficiency Effects", *Working Papers in Econometrics and Applied Statistics*, No. 69, Department of Econometrics, University of New England, 22 pp. **(688)**
- Wan, G.H., and G.E. Battese (1992), "A Stochastic Frontier Production Function Incorporating Flexible Risk Properties", *Working Papers in Econometrics and Applied Statistics*, No. 66, Department of Econometrics, University of New England, Armidale, 12 pp. **(8)**
- Battese, G.E. (1992), *Study Guides for Econometrics 270-1/370-1: Survey Design and Analysis*, Department of Econometrics, University of New England, Armidale, 186 pp.
- Nusser, S.M., G.E. Battese, and W.A. Fuller (1990), "Method of Moments Estimation of Usual Intake Distributions", *Working Paper 90-WP52, Center for Agricultural and Rural Development*, Iowa State University, Ames, 27 pp. **(3)**
- Battese, G.E. (1988), "Frontier Production Functions and Technical Efficiencies of Farms: With Application to Panel Data from ICRISAT's Village Level Studies", *Report to the International Crops Research Institute for the Semi-Arid Tropics*, Department of Econometrics, University of New England, Armidale, 22 pp.
- Battese, G.E. (1988), "Frontier Production Functions and Technical Efficiencies of Farms: With Application to Panel Data from ICRISAT's Village Level Studies", *Report to the International Crops Research Institute for the Semi-Arid Tropics*, Department of Econometrics, University of New England, Armidale, 22 pp.
- Battese, G.E., S.J. Malik, and I. Babar (1988), "The Possibilities of Employment Generation in the Large-Scale, Food-Processing Industry in Pakistan", *Unpublished Paper, Department of Econometrics*, University of New England, Armidale, 15 pp.
- Battese, G.E., and S.J. Malik (1988), "Identification and Estimation of Elasticities of Substitution for Firm-Level Production Functions Using Aggregative Data: With Application to the Food- Processing Industry in Pakistan", *Unpublished Paper*, Department of Econometrics, University of New England, Armidale, 30 pp.
- Battese, G.E., S.M. Nusser, and W.A. Fuller (1988), "Estimation of the Distribution of Usual Intakes for Selected Dietary Components", *Technical Report 88-TR5, Center for Agricultural and Rural Development*, Iowa State University, Ames, 71 pp.
- Battese, G.E. (1986), "Continuous Random Variables, Frequency Polygons and Density Functions", *Unpublished Paper*, Department of Econometrics, University of New England, Armidale, 7 pp.

- Battese, G.E., and S.J. Malik (1986), "Identification and Estimation of Elasticities of Substitution for Firm-Level Production Functions Using Aggregative Data", *Working Papers in Econometrics and Applied Statistics*, No. 25, Department of Econometrics, University of New England, Armidale, 21 pp. **(4)**
- Battese, G.E. (1986), "On the Prediction of Technical Efficiencies, Given the Specifications of a Generalised Frontier Production Function and Panel Data on Sample Firms", *Working Papers in Econometrics and Applied Statistics*, No. 28, Department of Econometrics, University of New England, Armidale, 11pp. **(1)**
- Coelli, T.J., and G.E. Battese (1986), "A Frontier Production Function for Panel Data: With Application to the Australian Dairy Industry", *Working Papers in Econometrics and Applied Statistics*, No. 24, Department of Econometrics, University of New England, Armidale, 21 pp. **(6)**
- Malik, S.J., and G.E. Battese (1986), "Choice of Techniques: A Cautionary Tale from Pakistan", Unpublished Paper, Pakistan Institute of Development Economics, Islamabad, 46 pp.
- Garcia, P.A., G.E. Battese, and W.D. Brewer (1981), "Anthropometric Measurements, Basal Metabolism and Urinary Creatinine of Aging Women", Unpublished Paper, Department of Human Nutrition, Iowa State University, 24 pp.
- Battese, G.E., W.A. Fuller, and R.D. Hickman (1978), "A Study of Farm Operator Attitudes Toward Surveys", *Report to the Statistical Reporting Service, United States Department of Agriculture*, Iowa State University, Ames, March 1978, 41 pp.
- Battese, G.E. (1976), *Lecture Notes for Theory of Statistics A and B*, Printed Lecture Notes for External Students in Economic Statistics 205-1 and 310-1, University of New England, Armidale, 282 pp.
- Battese, G.E., W.A. Fuller, and R.D. Hickman (1972), "Interview Effects and Response Errors in a Replicated Survey of Farm Operators in Selected Iowa Counties", *Report to the Statistical Reporting Service, United States Department of Agriculture*, Statistical Laboratory, Iowa State University, Ames, July 1972, 35 pp.