

Name: Ferry Butar Butar
Title: Associate Professor
Department: Mathematics and Statistics
College: Arts and Sciences

Degrees Earned

PhD (Mathematical Statistics), University of Nebraska at Lincoln
MA (Mathematical Statistics), University of Nebraska Lincoln
MS (Actuarial Sciences), University of Nebraska Lincoln

Area of Interest:

Bayes and Empirical Bayes inference, Linear mixed model,
survey sampling, statistics education, Small Area Estimation,
Credibility Theory

Teaching:

STAT 3169, STAT 3379, STAT 3380, STAT 3380, STAT 3470, STAT
3561, STAT 3562, STAT 3553, STAT 3568, STAT 3570

Recent Peer-Review Publications :

Fractal analysis of time series and distribution properties of Hurst
exponent. *Journal of Mathematical Sciences and Mathematics
Education*, Vol. 5, No. 1, pp 8 - 19, 2011.

An Insight into Heavy-Tailed Distribution (with Annapurna Ravi).
Journal of Mathematical Sciences and Mathematics Education,
Vol. 5, No. 1, pp 19 - 31, 2010.

Comparison of the Power of the Paired Samples using Permutation
Tests (with Ananda Manage). *Journal of Mathematical Sciences
and Mathematics Education*, Vol. 4, No. 2, pp 19 - 31, 2009.

Permutation Tests for comparing two populations (with Jae-Wan
Park). *Journal of Mathematical Sciences and Mathematics
Education*, Vol. 3, No. 2, pp 19 - 30, 2008.

Permutation Tests for comparing more than two samples.
Journal of Mathematical Sciences and Mathematics Education,
Vol. 2, No. 2, pp. 20 - 29, 2007.

Book:

The geography of naturopathic Physicians in the United States: A
Rising Profession, 2006, Donald P. Albert and Ferry Butar Butar,
The Edwin Mellen Press, Ltd, New York, ISBN: 0773459413.

In Encyclopedia:

Small Area Estimation, Encyclopedia of Social Measurement,

In K. Kempf-Leonard (Ed), San Diego, CA, Academic Press, Vol 3, pp 489-494, 2005.

Posters:

Chaos dynamic and fractal analysis of time series (with Malhar Kale).
2010, Proc. Amer. Statist. Assoc., Alexandria, VA, pp 1561 - 1568.

Permutation tests for paired samples: Power comparison (with
Manage, A.), 2009 Proc. Amer. Assoc., Alexandria, VA, pp 4786 - 4796.

Bayesian Multiple imputation and Maximum likelihood methods
for Missing data (with Min Sun), Proc. Amer. Statist. Assoc.,
Alexandria, VA, pp. 3174 - 3180.

An empirical study of the bootstrap and the jackknife methods
applied in double sampling (with Jing Wang), 2006 Proc. Amer.
Statist. Assoc., Alexandria, VA, pp. 3826 - 3828.

Testing outliers using a mixture population when some data are
missing (with Aruna Saram), 2006 Proc. Amer. Statist. Assoc.,
Alexandria, VA, pp. 1230 - 1236.

Work or Professional Experiences:

Associate Professor, Department of Mathematics and Statistics,
Sam Houston State University, Huntsville, May 2004 to date.

Assistant Professor, Department of Mathematics and Statistics,
Sam Houston State University, Huntsville, Sept 1999 to April 2004.

Visiting Assistant Professor, Dept. of Mathematics & Information
Sciences, Sam Houston State University, Huntsville, August 1998 -
August 1999.

Visiting Assistant Professor, Department of Statistics, University of
Central Florida, Orlando, August 1997 - August 1998.

Graduate Teaching Assistant, Department of Mathematics &
Statistics, Univ. of Nebraska-Lincoln, August 1994 - August 1997.

Head of Food Crops Statistics, Central Bureau of Statistics of

Indonesia, 1985 - 1988.

Master Instructor, Central Bureau of Statistics, Government of
Indonesia, 1984 - 1985.

Lecturer, Academy of Statistics, Central Bureau of Statistics,
Government of Indonesia, 1985-1986.