

NYARADZO MVUDUDU

EDUCATION

- Edd** Seattle Pacific University February 2002
Dissertation: “An Investigation of the Relations Between a Constructivist Learning Environment and Attitudes Towards Statistics in College Statistics Classrooms in Zimbabwe and the United States”
Committee: Dr. Christopher Sink (chair), Dr. Patricia Hammill, Dr. Frank Kline
- MBA** University of Washington June 1996
Projects:
Internet Truck Sales International Market Feasibility Study.
Multi-Modal Freight Mobility in WA State: A Logistics Management Perspective.
- BBS** University of Zimbabwe November 1988

TEACHING EXPERIENCE

- Seattle Pacific University**, Seattle, WA Sep 2008 to Present
Associate Professor, Curriculum & Instruction
- Teach Statistics to graduate students in education and to undergraduate students in nursing and health science and
 - Teach multicultural education to graduate and undergraduate students in education
- Courses Taught**
EDU6133 Diversity in America
EDU 6976 –Interpreting & Applying Educational Research II
EDU 6525 Culturally Responsive Teaching
EDU 7911 TOPICS IN EDUCATION: Research Comp Prep
HSC4044 Biomedical Tests, Measurements, and Statistics
EDU 7201 Educational Inquiry and Research I
EDU 7202 Educational Inquiry and Research II
- Seattle Pacific University**, Seattle, WA Sep 2003 to Aug 2008
Assistant Professor, Curriculum & Instruction
- Taught Assessment and Evaluation in Education to graduate students in education
 - Taught Statistics to graduate students in education and to undergraduate students in nursing and health science
 - Taught Research Evaluation to graduate students in the School of Education
 - Taught multicultural education to graduate and undergraduate students in education

Courses Taught

EDU 6982 Educational Inquiry
EDU 6976 Interpreting & Applying Educational Research II
EDU 7911 TOPICS IN EDUCATION: Research Comp Prep
EDU 6525 The School: A Multicultural Approach
EDU 6972 Research Evaluation
EDU 6977 Research Forum Experience
EDU 6613 Educational Measurement and Evaluation
EDU 6970 Educational Statistics
HSC4044 Biomedical Tests, Measurements, and Statistics
EDU 2300 Diversity & the Classroom
EDU6133 Diversity in America
University Seminar 1000 Did you call? Did you?
EDU 3104 Foundation of Multicultural Education

Seattle Pacific University, Seattle, WA

Jan 2000 to Aug 2003

Adjunct Instructor, Curriculum & Instruction

- Taught Assessment and Evaluation in Education to graduate students in education
- Taught Statistics to graduate students in education and to undergraduate students in nursing and health science

Courses taught:

EDU 6970 Educational Statistics
EDU 3104 Foundation of Multicultural Education
EDU 6613 Educational Measurement and Evaluation

Seattle Pacific University, Seattle, WA

Jan 1998 to Feb 2002

Statistics Tutor, Center for Learning

- Assisted Statistics and Research students from School of Business, Department of Psychology, Math Department, School of Education

University of Zimbabwe, Harare, Zimbabwe

Mar 1992 to Sep 1994

Lecturer, Faculty of Commerce

- Taught Quantitative Analysis for Business and Statistics

PUBLICATIONS

Journal Publications (peer-reviewed)

Mvududu, N. & Kanyongo, G. Y. (2011) Using real life examples to teach abstract statistical concepts. *Teaching Statistics* 33(1) 12-16

Sink, C. A., & Mvududu, N. H. (2010) Statistical Power, Sampling, and Effect Sizes: Three keys to Research Relevancy. *Counseling Outcome Research and Evaluation Journal (CORE)*1(2) 1-18

- Mvududu, N. H. (2010) Culturally Responsive Teaching: The Bible tells me so. *Journal of the International Community of Christians in Teacher Education (ICCTE)* 5 (1)
- Sink, C. A., & Mvududu, N. (2009). Meta-analysis. In B. Erford & D. Hays (Ed.), *American Counseling Association encyclopedia* (pp. 334-336). Alexandria, VA: American Counseling Association.
- Larocque M. & Mvududu, N. (2008) Assessing perceptions of the environment in elementary classrooms: The link with achievement. *International Journal of Educational Psychology in Practice* 24(4) 289-305
- Mvududu, N. & Larocque, M. (2008) Hope, Faith, and Statistics: An examination of the Relationship. *Christian Higher Education* 7(3) 171 - 184
- Sink, C.A.; Akos, P.; Turnbull, R. & Mvududu, N. (2008) An Investigation of Comprehensive School Counseling Programs and Academic Achievement in Washington State Middle Schools *Professional School Counseling Journal*, 12 (1) 43-53
- Mvududu, N. (2007) Challenges to faithful learning and teaching: The case of statistics. *Christian Higher Education* 6 (5) 439 – 445
- Hoffert, D.; Henshaw, C. & Mvududu, N. (2006) Enhancing the ability of nursing students to perform a spiritual assessment: A way of being approach. *The Nurse Educator*
- Mvududu, N. (2005). Constructivism in the Statistics Classroom: From theory to practice. *Teaching Statistics* 27 (2) 49-54
- Mvududu, N. (2003). A cross-cultural study of the connection between students' attitude towards statistics and the use of constructivist strategies in the course. *Journal of Statistics Education* [online] 11(3)
(www.amstat.org/publications/jse/v11n3/mvududu.html)
- Journal Publications (non peer-reviewed)***
- Mvududu, N. (2005) *High schools in Washington State*. Washington School Research Center, Seattle Pacific University.
- Mvududu, N. (2005) *Who is going to college?* Washington School Research Center, Seattle Pacific University.
- Mvududu, N. (2004) *Mother's education as a proxy for SES in education research* Washington School Research Center, Seattle Pacific University.

Mvududu, N. (2003) *The relationship between students' and teachers' perceptions of the school environment*. Washington School Research Center, Seattle Pacific University.

Journal Papers in Review

Mvududu, N. (*in review*) Do you speak statistics? Lessons from language acquisition research. *Statistics Education Research Journal*

Books Chapters

Mvududu, N. (2012) Who Will Teach These Children: SPED Policy in Zimbabwe. In Sunal, C. S. & Mutua, K. (eds) *Research on Education in Africa, the Caribbean, and the Middle East (REACME) Book 7*.

Mvududu, N & Gilbert, S. B. (2008) Constructivism in early childhood. In Larocque, M. M & Darling, S. (eds) *Blended Curriculum in the Inclusive K-3 Classroom* (61-90). Allyn and Bacon

PRESENTATIONS AND INVITED LECTURES

Presentation,

International

Mvududu, N. H. (2010) *Participants' Perspectives on a Collaborative Research Mentoring Program*. A presentation at the Joint Statistical Meetings (JSM): July 31-August 5, 2010, Vancouver Convention Centre, Vancouver, BC

Bergamo, J.; Delpish, A. N.; Mvududu, N. H. & Georgette Nicolaides (2010) *Understanding p-values and Statistical Significance*. A presentation at the Joint Statistical Meetings (JSM): July 31-August 5, 2010, Vancouver Convention Centre, Vancouver, BC

National

Zieffler, A.; delMas, R.; Groth, R. & Mvududu, N. (2011) *Introduction to Qualitative Research Methods in Statistics Education Research*. A presentation at the 4th Biannual United States Conference on Teaching Statistics (USCOTS) May 19-21, 2011 Cary, NC

Mvududu, N.; Nicolaides, G.; Bergamo, J. & Delpish, A. (2011) *Understanding P-values & Statistical Significance*. A "Posters and Beyond" presentation at the 4th Biannual United States Conference on Teaching Statistics (USCOTS) May 19-21, 2011 Cary, NC

- Mvududu, N. (2009) *Statistics as a language: massed practice vs. distributed practice*. A “Posters and Beyond” presentation at the 3rd Biannual United States Conference on Teaching Statistics (USCOTS) June 25-27, 2009, Ohio State University, Columbus
- Mvududu, N. & Kanyongo, G. Y. (2008) *Using real life examples to teach abstract statistical concepts*. Paper presented at the annual American Educational Research Association conference: March 2008.
- Kanyongo, G. Y.; Brown L. I. & Mvududu, N. (2007) *Measurement Issues in International Surveys in Educational Research: A focus to sub-Saharan Africa*. Paper presented at the annual American Educational Research Association conference: April 2007.
- Mvududu, N. (2007) *Do you speak statistics: Lessons from language acquisition*. An Idea Exchange Forum presentation at the 2nd Biannual United States Conference on Teaching Statistics (USCOTS) May 17-19, 2007, Ohio State University, Columbus
- Mvududu, N. (2006) *Constructivism and Culturally Responsive Teaching: Friends or Foes?* Poster presented at the annual American Educational Research Association conference: April 2006.
- Mvududu, N. (2005) *An attempt to move from “sadistics” to statistics*. A Spotlight presentation at the 1st Biannual United States Conference on Teaching Statistics (USCOTS) May 19-21, 2005, Ohio State University, Columbus
- Stetz, K & Mvududu, N. (2004) *Self Awareness: Looking Inward to End Racism*. A presentation at the 18th Annual National Christian Multicultural Student Leaders Conference: November, 2004.
- State*
- Gilbert, S. & Mvududu, N. (2006) *The role of constructivism in an inclusive classroom*. A presentation at the California Association for the Education of Young Children: La Jolla, CA April 21.
- Mvududu, N. & Hartnett, S. (2005) *Culturally Responsive Teaching: From Theory to Practice* A presentation at the 13th Annual Washington Alliance of Black School Educators Conference: Bellevue March 18.
- Mvududu, N. & Edwards, C. N. (2005) *Breaking down communication barriers and knowing our neighbor*. A presentation at the 15th Annual Student of Color Conference: Yakima May 6.
- Hartnett, S. & Mvududu, N. (2004) *Legacy and Leveling the Playing Field: Creating Equal Education Opportunity for All*. A presentation at the 12th Annual Washington Alliance of Black School Educators Conference: Bellevue March 19.
- Mvududu, N. & Igelman, C. N. (2004) *Breaking down communication barriers*. A presentation at the 14th Annual Student of Color Conference: SeaTac May 7.

Community

Mvududu, N., & Mvududu, M. J. (2009) *Christians in a global world: Zimbabwe*. A presentation at the University Temple United Methodist Church Enrichment Hour. Seattle, WA. July, 12.

Mvududu, N. (2008) *For we are one in His design*. A presentation at the Women of the Church of God Spring Retreat. Edmonds, WA. April 19

Okun, M. & Mvududu, N. (2007) *Diversity in the classroom: Hope for the future*. Presented at the Day of Common Learning at Seattle Pacific University, Seattle, WA

Edwards, C., Hartnett, S., Mvududu, N., Purcell, W. & Rowley, W. (2005) *Multicultural approaches in the classroom*. Panel presentation and discussion sponsored by the Committee on Diversity and the Center for Scholarship at Seattle Pacific University, Seattle, WA.

Mvududu, N. (2004) *Relationship between learning environment and students' attitude towards statistics*. A presentation to the faculty of The School of Health Sciences: January.

Mvududu, N. (2003) *Cultural issues faced by high school students*. A discussion with high school students, West Seattle High School

Igelman, C., Eppler, C., Mvududu, N., Algera, H., Ediger, R., McKinney, J. & Koskela, D. (2003) *Learning to love learning*. Presented at the Day of Common Learning at Seattle Pacific University, Seattle, WA.

Keynote Address,

“The Paradox of Diversity: similar yet different,” The launching of the Everett High School’s International Students Organization, June 9, 2011.

Workshops

Williams, T. & Mvududu, N (2012) *Freedom through Education* A workshop presented at Franklin High School’s 3rd Annual *Peace, Justice and Freedom through Education Youth Summit*. February 1.

Williams, T. & Mvududu, N (2011) *What does peace have to do with education or vice versa?* A workshop presented at Franklin High School’s 3rd Annual *Peace, Justice and Freedom through Education Youth Summit*. February 2.

Mvududu, N. (2007) *Multicultural understandings* School of Education Coordinators Meeting at Seattle Pacific University, Seattle, WA. February 15.

Edwards, C. & Mvududu, N. (2005) *Counseling with Cultural Competency*. A presentation at The Lake Washington School District Counselors' Meeting

Edwards, C. & Mvududu, N. (2005) *Breaking down barriers*. A presentation at the Mountlake Terrace High school

Mvududu, N. (2004) *Equal educational opportunity through cultural awareness*. A presentation to the faculty of Three Points Elementary School: Bellevue Christian Schools. March 10.

PROFESSIONAL SERVICE

Test Reviews

- Sink, C. A., & Mvududu, N. (2009). [Review of the test Resiliency scales for children and adolescents]. In K. F. Geisinger, R. A. Spies, J. F. Carlson, & B. S. Plake (Eds.), *The 18th Mental Measurements Yearbook* (pp. TBD). Omaha, NB: Buros Institute of Mental Measurements, University of Nebraska Press.
- Sink, C. A., & Mvududu, N. (2009). [Review of the test Emotional Disturbance Decision Tree]. In K. F. Geisinger, R. A. Spies, J. F. Carlson, & B. S. Plake (Eds.), *The 18th Mental Measurements Yearbook* (pp. TBD). Omaha, NB: Buros Institute of Mental Measurements, University of Nebraska Press.

Peer-Reviewed Articles for:

- Statistics Education Research Journal (SERJ)
- International Journal of Multicultural Education (IJME)
- Journal of Statistics Education (JSE)
- Journal of mathematics Behavior

Peer-Reviewed Books and Book Proposals for:

- Corwin Press
- Allyn & Bacon
- Prentice Hall Publishing
- John Wiley & Sons Inc.

COMMUNITY SERVICE

Shorecrest High School

Panelist for Senior Projects, 2006 - present

GRANTS

Faculty Research Grant: Seattle Pacific University	2011
Faculty Research Grants (FRGs) are awarded each winter by the Office of Academic Affairs to support faculty scholarship, including the scholarship of discovery, teaching and learning, application, or synthesis.	
Academic Renewal Grant: Seattle Pacific University	2010
Assist in the development of more effective teaching and learning strategies	
Academic Renewal Grant: Seattle Pacific University	2008
Assist in the development of more effective teaching and learning strategies	
Technology Grant Seattle Pacific University (co-recipient)	2008
The goal of SPU's Teaching and Technology Grant is to evaluate curricular uses of instructional technologies using a pilot test to determine if adoption enhances teaching and learning.	
Academic Renewal Grant: Seattle Pacific University	2007
Assist in the development of more effective teaching and learning strategies	

PROFESSIONAL TRAINING

Sample Seminars

Teaching Statistical Concepts in an Inverted Classroom, January 10th, 2012

Using Simulation Methods to Introduce Inference, December 13th, 2011

Bootstrapping and randomization: Seeing all the moving part, November 22nd, 2011

Reading and Writing in an Inquiry-Based Introductory Statistics Course, September 13th, 2011

Introducing Informal Inference Using Data-Centric Lab Exercises, January 11th, 2011

Content Barriers to Effective Pedagogy in the Introductory Statistics Course December 11th, 2007

How can writing be used effectively in statistics courses? October 9th, 2007

Students' Ambiguity Tolerance as a Success Factor in Learning to Reason Statistically. June 12th, 2007

Teaching to the Guidelines for Assessment and Instruction in Statistics Education (GAISE). September 12th, 2006

Making Statistics Learning Fun. April 11th, 2006

Sample Workshops

A flavor of the CATALST Course: Using randomization-based methods in an introductory statistics course: May 2012 *Consortium for the Advancement of Undergraduate Statistics Education*

Identifying and Addressing Difficult Concepts for Students in the Introductory Statistics Course: January, 2012 *An MAA Ancillary Workshop*.

Computationally Intensive Methods in Teaching Introductory Statistics, August 1st, 2010 *Joint Statistical Meetings*

Introducing Concepts of Statistical Inference: June 2009
Consortium for the Advancement of Undergraduate Statistics Education

Become a Catalyst for Change in Statistics Education: June 2009 *Consortium for the Advancement of Undergraduate Statistics Education*

CAUSE Undergraduate Statistics Program Workshop: May 2007 *Consortium for the Advancement of Undergraduate Statistics Education*

Teaching Statistics with Internet Resources: May 2005 *Consortium for the Advancement of Undergraduate Statistics Education*

Grant Writing Workshop: April, 2004. *The Grant Institute*

Academic Book Publishing: *Association of American University Presses*

PROFESSIONAL AFFILIATIONS

American Statisticians Association, 2010-Present

International Associations of Statistics Education, 2000-Present

Statisticians Without Borders, 2010 – Present

Consortium for the Advancement of Undergraduate Statistics Education, 2011 – Present
(Institutional Member representative)

LANGUAGES

English: Native Language

Shona: Native Language

Ndebele: Intermediate Speaker

Afrikaans: Novice Speaker

French: Intermediate Listener, Reading and Writing

COMPUTER SKILLS

Applications: Microsoft Office, SPSS, TinkerPlots

RESEARCH INTERESTS

Investigating non-cognitive factors that would impact the teaching and learning of statistics and make the subject matter more relevant to everyday life.

Examination of strategies for teaching statistics more effectively.

Examination of issues related to addressing diversity in the classroom.