

Curriculum Vitae
Nyaradzo Hope Mvududu

Seattle Pacific University
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EDUCATIONAL BACKGROUND

February 2002 **SEATTLE PACIFIC UNIVERSITY** Seattle, WA

Doctorate in Education, concentration Statistics and Research

- *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.*

Advisor: Dr. Christopher Sink

June 1996 **UNIVERSITY OF WASHINGTON** Seattle, WA

Master of Business Administration, concentration Statistics, Quantitative methods
Projects

- Internet Truck Sales International Market Feasibility Study.
- Multi-Modal Freight Mobility in WA State: A Logistics Management Perspective.

November 1988 **UNIVERSITY OF ZIMBABWE** Harare, Zimbabwe

Bachelor of Business Studies, concentrations Statistics, Quantitative methods

PROFESSIONAL EXPERIENCE

2008-Present **SEATTLE PACIFIC UNIVERSITY** Seattle, WA

Associate Professor, School of Education

- Teaching Statistics to graduate students in education and to undergraduate students in nursing and health science
- Teaching multicultural education to graduate and undergraduate students in education

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

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. & Kanyongo, G. Y. (*in press*) Using real life examples to teach abstract statistical concepts. *Teaching Statistics*

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. H. (*in press*). Statistical Power, Sampling, and Effect Sizes: Three keys to Research Relevancy. *Counseling Outcome Research and Evaluation Journal (CORE)*

Book Chapters

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

Mvududu, N (*in process*) Strategies for working with ethnically/racially diverse families. In Larocque, M. M & Darling, S. (eds) *Working with Diverse Families in Inclusive Early Childhood Environments*. Allyn and Bacon

Non peer reviewed

Mvududu, N. (2003) *The relationship between students' and teachers' perceptions of the school environment*. 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. (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.

Submitted and in Preparation

Mvududu, N, Edwards C. & Phelan, J. (*in process*) An examination of the efficacy of diversity courses with regards to raising awareness.

Holder, A. J.A.; Webb, M. & Mvududu N. H. (*in review*) Dispositional forgiveness and spiritual meaning-making: Forgiveness and spiritual reactions to negative life events as mediated by adult attachment styles *The Journal of Social Psychology*

Mvududu, N. & Thiel, J. (*in review*) Constructivism in Practice: The case for English language learners *AILACTE Journal*

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

PRESENTATIONS

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 Nicolaidis (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

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.

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

Mvududu, N. (2006) *Constructivism and Culturally Responsive Teaching: Friends or Foes?* Poster presented at the annual American Educational Research Association conference: April 2006.

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. & 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.

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

State

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.

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.

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.

Community

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.

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

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.

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

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

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

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

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

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.

CURRENT 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.

GRANTS

- Mvududu, N. (2007). Academic Renewal Grant: Seattle Pacific University(*Course Improvement: Statistics Education*)
- Harris, P., Eigenbrood, R., Mvududu, N., Beers, S. & Sink, C. (2008) Technology Grant Seattle Pacific University (*Inspirations Software Classroom Applications*)
- Mvududu, N. (2008) Academic Renewal Grant: Seattle Pacific University (*Course Improvement: Diversity in America*)
- Mvududu, N. (2010) Academic Renewal Grant: Seattle Pacific University (*Course Development: Research EDU7201/7202*)

PROFESSIONAL ASSOCIATIONS

- American Statisticians Association
- Statistics Without Borders
- International Association of Statistics Educators

PROFESSIONAL ACTIVITIES

Book reviews

- *Reading Book Guides to Explore Life and Literature in Africa – The Struggle for Human Rights*. Corwin Press
- *Multicultural Education of Children and Adolescents, 4e* Allyn & Bacon
- *Multicultural Education in a Pluralistic Society*, 8th edition. (Religion and Geography chapters) Prentice Hall Publishing

Book proposal review

- *Multicultural Education: A Learner-Centered Pedagogy*. Rowman & Littlefield
- *The Evaluation Prism: Using Statistical Methods to Discover Patterns for Program Evaluation*. John Wiley & Sons Inc.
- *Understanding Educational Statistics Using Microsoft Excel*. John Wiley & Sons Inc.

Article reviews

- *Curvilinear relationships between statistics anxiety and performance: Evidence for optimal anxiety* Statistics Education Research Journal
- *How schools can best support Somali students and their families* International Journal of Multicultural Education (IJME)
- *The development and evaluation of a survey that makes use of student data to teach statistics* Journal of Statistics Education (JSE)
- *Statistical Education in the 21st Century: a Review of Challenges, Teaching Innovations and Strategies for Reform*. Journal of Statistics Education (JSE)

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.

PROFESSIONAL DEVELOPMENT

Sample Workshops

- Academic Book Publishing: *Association of American University Presses*
- Rethinking the Design of Presentation Slides: February, 2004. *Michael Alley College of Engineering, Virginia Tech*
- Grant Writing Workshop: April, 2004. *The Grant Institute*
- Teaching Statistics with Internet Resources: May 2005 *Consortium for the Advancement of Undergraduate Statistics Education*
- CAUSE Undergraduate Statistics Program Workshop: May 2007 *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*
- Introducing Concepts of Statistical Inference: June 2009 *Consortium for the Advancement of Undergraduate Statistics Education*

Sample Seminars

- Promoting active learning in introduction to statistics using personal response systems (clickers). March 10th, 2009
- Aiming to Improve Students' Statistical Reasoning: An Introduction to the AIMS Materials. February 10th, 2009
- 9 out of 10 Seniors Recommend This Freshman Seminar: Statistics in the real world. January 13th, 2009
- Teaching Ethics in Statistics Class. December 9th, 2008
- Statistics 105 - Real-Life Statistics: Your Chance for Happiness (or Misery). November 18th, 2008
- Preparing Teachers of Statistics: A Course for Graduate Students and Future Teachers September 9th, 2008

- Diversity-related content as a gateway to critical thinking: A case study of a freshman seminar August 12th, 2008
- Integrating Research Projects in a First Statistics Course July 8th, 2008
- Setting the Stage for Students' Conceptual Change in Learning Statistics June 10th, 2008
- Writing Assignments in an Introductory Statistics Course May 13th, 2008
- Sequencing of Topics in an Introductory Course: Does Order Make a Difference? February 12th, 2008
- Content Barriers to Effective Pedagogy in the Introductory Statistics Course December 11th, 2007
- Measurement that Supports Assessment for Learning November 13th, 2007
- How can writing be used effectively in statistics courses? October 9th, 2007
- Teaching Statistics Using Social Justice Examples. July 10th, 2007
- Students' Ambiguity Tolerance as a Success Factor in Learning to Reason Statistically. June 12th, 2007
- Everything you wanted to know about JSE but were afraid to ask. May 8th, 2007
- Conducting Classroom Research in Statistics Education: Issues, Challenges and Examples. March 13th, 2007
- Using Statistics Effectively in Statistics Education Research. January 9th, 2007
- Teaching Statistics Online. December 12th, 2006
- Writing and Data Analysis Projects for Introductory Statistics. October 10th, 2006
- Teaching to the Guidelines for Assessment and Instruction in Statistics Education (GAISE). September 12th, 2006
- Real-Time Online Hands-on Activities for Introductory Statistics. May 9th, 2006

- Making Statistics Learning Fun. April 11th, 2006
- Using the ARTIST website to develop assessments for introductory statistics. March 14th, 2006