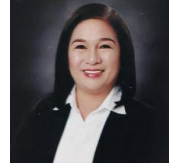


ENRIQUETA DEGUIT RESTON

Curriculum Vitae



Present Position: Full Professor 5, School of Education, University of San Carlos, Cebu City

Educational Attainment

- PhD in Education, major in Research and Evaluation, University of San Carlos (2001)
- MS Mathematics, major in Operations Research, University of the Philippines-Diliman (1989)
- BS Mathematics (*magna cum laude*), Silliman University (1986)

Teaching and Professional Experience

School of Education, University of San Carlos, Cebu City (June 2001- present)

- *Teaches undergraduate and graduate courses in Assessment and Evaluation in Education, Elements of Research, Statistics for Teachers, Quantitative Research Designs, Research Instrumentation, Inferential Statistics and Multivariate Data Analysis, Research Methods in Science Education, Statistical Principles and Research Methods in Education, Curriculum Design and Evaluation for Science/Mathematics Education, and Thesis/Dissertation Proposal Preparation*

Graduate School, Southwestern University, Cebu City (part-time, 2002-2004)

Research Statistician, Office of Health Research and Development, Cebu Doctors College and Hospital (1998-2001)

Department of Natural Sciences and Mathematics, Holy Name University, Tagbilaran City (1993-95)

Department of Mathematics, Silliman University, Dumaguete City (1986-93)

Administrative Positions Held

- Dean, College of Education, University of San Carlos, Cebu City (2006-2008)
- Chair, Department of Mathematics, Silliman University, Dumaguete City (1990-92)

Institutional Research Involvement

- **Member, USC University Research Council**, University of San Carlos (2014 to present)
- **Adviser, Member/Chair, Thesis Dissertation Committee.** Graduate programs of the School of Education, University of San Carlos
- **Author**, USC School of Education Graduate Thesis and Dissertation Guidebook
- **Project Team Leader** of the following completed institutional research projects:
 - 1) *Development and Validation of the University of San Carlos College Admission and Placement Test and Exit Survey Questionnaire*
 - 2) *Development and Validation of a Unified Faculty Performance Evaluation Instrument for the University of San Carlos*
 - 3) *Tracing Learning-Teaching Experiences among Science and Mathematics Education Majors in their Transition from Pre-service to In-service Teaching.*
 - 4) *Theoretical Underpinnings of Vertical Articulation of Curriculum vis-à-vis Current Practices among Cebu Higher Education Institutions.* A project under USC-CHED Zonal Research Center's Grant-In-aid (GIA) Program
 - 5) *The Enhanced K to 12 Basic Education Program: Exploring its Implications on Teachers' Professional Development Needs and Curricular Resources in Pre-service Teacher Education .* A project under USC-CHED Zonal Research Center's Grant-In-aid (GIA) Program

Books Published

- 1) **Reston, E.** et al (2018). *Teaching and Learning Statistics Through Activities*. Vol. 2. An Activity Resource Book for K to 12 Junior High School Mathematics Teachers. Cebu City: University of San Carlos Press.
- 2) **Reston, E.** , Argenal, R., Baterna, M. & Punzalan, T. (2017). *Seeing the World Through Probability and Statistics: A Worktext for Senior High School*. Cebu City: Soline Publishing, University of San Carlos Press.
- 3) **Reston, E.** et al (2016). *Teaching and Learning Statistics Through Activities*. Vol. 1. An Activity Resource Book for K to 12 Elementary Mathematics Teachers. Cebu City: University of San Carlos Press.
- 4) **Reston, E.** (2005). *21st Century Applied Statistics: With Computer Software Applications*, Kappa Publishing House, ISBN 97193100-0-6. (A textbook for Introductory College Statistics listed under the General Non-Internet Sources on Statistical Literacy of the International Statistical Literacy Project (ISLP) website, <http://www.stat.auckland.ac.nz/~iase/islp/gennonweb>).

Research and Publications

- 1) **Reston, E.** & Poliquit, E. (2020). An Outcome-based Statistical Capacity Development Program to Support Research at a University. *Statistics Education Research Journal*, 19 (1), pp. 181-93. [On-line]: [https://iase-web.org/documents/SERJ/SERJ19\(1\)_Reston.pdf?1583007693](https://iase-web.org/documents/SERJ/SERJ19(1)_Reston.pdf?1583007693).
- 2) **Reston, E.** & Cañizares, M. (2019). Needs assessment of teachers' knowledge bases, pedagogical approaches and self-efficacy in implementing the K to 12 science and mathematics curriculum. *International Journal of Research Studies in Education*, 8 (2), pp. 29-45. [On-line]: <https://www.academia.edu/37702617/>
- 3) **Reston, E.** & Arawiran, J. (2018) Designing Authentic Assessments within Outcomes-based Teaching and Learning: Critical Reflections on Practice. *AsTEN Journal of Teacher Education*. Special Issue, pp. 14-29. <http://po.pnuresearchportal.org/ejournal/index.php/asten/article/view/837>
- 4) Rosaroso, R., **Reston, E.**, Rosaroso, N. (2015). Construct-related validity vis-à-vis the internal structure of the test. *Asia-Pacific Journal of Education, Arts and Sciences*, 2(4). Lyceum of the Philippines University, Philippines, pp. 94-100. [on-line] <http://www.apjeas.apjmr.com/vol-2-no-4-2/>
- 5) Yap, C. & **Reston, E.** (2015). Evaluation of undergraduate programs: The case of the BS Applied Physics in the University of San Carlos. *Teaching/Learning Physics: Integrating Research into Practices*, pp. 515-521.
- 6) Yap, C. & **Reston, E.** (2014). Relevance of undergraduate Physics program and the matching of employment needs and learning of employability skills: A Physics alumni survey of the University of San Carlos. *International Journal of Education and Research*, 2(12). On-line: www.ijern.com/journal/2014/December-2014/11.pdf
- 7) **Reston, E.** & Krishnan, S. (2014). Statistics education research in Malaysia and the Philippines: A comparative analysis for future directions. *Statistics Education Research Journal*, 13(2), pp. 218-231.
- 8) **Reston, E.** (2013). An Outcome-based framework for technology integration in higher education statistics curricula for non-majors. *Technology Innovations in Statistics Education Journal*, 7(2). Los Angeles, CA: University of California in Los Angeles.
- 9) **Reston, E.** , Rosaroso, N., Capistrano, N. & Japitana, J.M.F. (2012). Tracing learning-teaching experiences among Science and Mathematics Education Majors in their transition from preservice to inservice teaching. In Ahmad Nurulazam Md Zain & R. P. Devadason (Eds.), *Transforming School Science Education in the 21st Century*, Penang, Malaysia: SEAMEO RECSAM.
- 10) **Reston, E.** & Bersales, L. G. (2011). Reform Efforts in Training Mathematics Teachers to Teach Statistics: Challenges and Prospects. In Batanero, C., Burril, G. and Reading, C. (Eds.) *Teaching Statistics in School Mathematics - Challenges for Teaching and Teacher Education: A Joint Study ICM/IASE Study Book*. Heidelberg: Springer.

- 11) Jala, L.L. & **Reston, E.** (2010). Assessment of graduate students' conception of statistical inference: Philippine perspective. In C. Reading (Ed.), *Data and context in statistics education: Towards an evidence-based society. Proceedings of the Eighth International Conference on Teaching Statistics (ICOTS8, July, 2010), Ljubljana, Slovenia*. Voorburg, The Netherlands: International Statistical Institute. www.stat.auckland.ac.nz/~iase/publications.php
- 12) **Reston, E.**, Jala, L. L. & Edullantes, T. (2006). *Probing College Statistics Teachers' Instructional Goals and Classroom Practices within a Statistical Literacy Framework*. International Association for Statistics Education. Proceedings of the 7th International Conference on Teaching Statistics, pp. 69-70.
- 13) **Reston, E.** & Gallos, M. (2005). *The Impact of Entry Competence and Academic Achievement on the Graduates in the Licensure Examination for Teachers (LET)*. Commission on Higher Education: Book of Abstracts, 1st CHED Inter-zonal Research Congress for Region VII.
- 14) **Reston, E.** (2005). *The Need for Statistical Literacy in an Information- Laden Society*. PAIDEIA 2004-2005 Southwestern University Bulletin.
- 15) **Reston, E.** (2005). *Current Goals and Trends in Graduate Statistics Education: Implications on Teaching and Research*. SWU Research Digest, 7(1). Southwestern University.
- 16) **Reston, E.** (2004). *The Impact of Computing Technology on Teaching and Research : Implications for Statistical Education*. USC Graduate Journal, Vol. XXI, 1 (38). University of San Carlos .
- 17) **Reston, E.** (2003) . *Factor Analysis as Tool in Construct Validation of Research Instruments*. USC Graduate Journal, Vol. XX, 1 (36). University of San Carlos.

Papers Presented in Professional / Research Conferences/Fora (2005-present)

- 1) *Teacher Education in the Philippines: 21st Century Challenges*. Keynote Speech at the 7th International Conference on Research in Education (ICORE). University of the Punjab, Lahore, Pakistan. November 2019.
- 2) *Implementing the K to 12 Mathematics Curriculum in the Philippines: Models and Processes of Teacher Development*, Plenary Discussion at the 24th International Commission On Mathematical Instruction (ICMI) Study Conference, Tsukuba, Japan, November 2018.
- 3) *Improving Statistical Pedagogy Among K to 12 Mathematics Teachers in the Philippines*, 10th International Conference on Teaching Statistics (ICOTS 10). Kyoto, Japan, July 2018.
- 4) *Reconceptualizing Professional Development For K to 12 Science and Mathematics Teachers in the Philippines : Towards Sustainable Curriculum Reform* , University Malaysia Sabah, Kota Kinabalu, Malaysia, November 7-10, 2017
- 5) *A Needs-Based Teacher Development Program for Inservice Teachers: Towards Implementing a Spiral Mathematics Curriculum*. 13th International Congress on Mathematics Education. University of Hamburg, Hamburg, Germany. July 24-31, 2016.
- 6) *Promoting Statistical Literacy and Understanding of Youth Population Dynamics in a New Statistics and Probability Course for Senior High School*. 2016 Roundtable Conference of the International Association for Statistical Education (IASE), Max Planck Institute for Human Development in Berlin, Germany. July 19-22, 2016.
- 7) *Teachers' Knowledge Bases, Pedagogical Approaches and Self- Efficacy in Implementing the K to 12 Mathematics Curriculum in The Philippines*. 8th Science, Mathematics, Engineering and Technology Education (8th SMTE) Conference. Jakarta, Indonesia. November 21-24, 2015.
- 8) *Statistics education research in Malaysia and the Philippines: A comparative analysis for future directions*. International Statistical Institute-Regional Statistics Conference (ISI-RSC), Kuala Lumpur, Malaysia, November 16-19, 2014.
- 9) *Sustaining Teachers' Capacity For Teaching Statistical Inference Through Reflective Practice*. 9th International Conference on Teaching Statistics (ICOTS 9). Flagstaff, Arizona, USA. July 13-18, 2014.

- 10) *Educational uses of youth statistics for the Revised General Education Curriculum in the Philippines*. Joint IASE-IAOS Study Conference, Macau, China. August 22-24, 2014.
- 11) *Exploring In-service Elementary Mathematics Teachers' Conceptions of Probability through Inductive Teaching and Learning Methods*. 12th International Congress on Mathematical Education (ICME). COEX, Seoul, Republic of Korea. July 8-15, 2012.
- 12) *An Outcome-based Framework for Technology Integration in Higher Education Statistics Curricula for Non-majors: Philippine Context*. 2012 Roundtable Conference of the International Association for Statistics Education (IASE). Cebu City, Philippines. July 2-6, 2012
- 13) *Tracing Teaching-Learning Experiences among Science and Mathematics Education Majors in their Transition from Pre-service to In-service Teaching*, 4th International Conference on Science and Mathematics Education (COSMED) SEAMO-RECSAM, Penang, Malaysia. November 15-17, 2011.
- 14) *Theoretical Underpinnings of Vertical Articulation vis-à-vis the Current Practices of Selected Cebu Higher Education Institutions*. University Research Forum, University of San Carlos, Cebu City. February 15, 2011.
- 15) *Challenging Popular Assumptions in Teacher Education*. Plenary Session of the First National Teacher Education Research Congress (NTERCon-1) sponsored by Cebu Normal University. City Sports Club, Cebu City, September 25, 2010.
- 16) *Statistical Literacy Assessment and Training of Government Personnel Using Data from National Statistics Office: Philippine Context*. 8th International Conference on Teaching Statistics (ICOTS 8) sponsored by the International Association for Statistics Education, Cankarjev Dom, Ljubljana, Slovenia, July 2010.
- 17) *Development and Validation of a Unified Faculty Performance Evaluation Instrument for the University of San Carlos*, University Research Forum, University of San Carlos, Cebu City. August 25, 2008.
- 18) *Reform Efforts in Training Statistics Teachers in the Philippines: Challenges and Prospects*. Joint ICMI-IASE Study Conference. Instituto Tecnológico y de Estudios Superiores de Monterrey, Monterrey, Mexico. June 30-July 5, 2008.
- 19) *Development and Validation of an Exit Survey Questionnaire for Assessing University Experience* University Research Forum, University of San Carlos, Cebu City. January 2008.
- 20) *Models of Student Learning in Graduate Statistics Education: Towards Statistical Literacy and Research Competence*. 56th Session of the International Statistical Institute (ISI), Lisbon, Portugal (August 22-29, 2007).
- 21) *Probing College Statistics Teachers' Instructional Goals and Classroom Practices within a Statistical Literacy Framework*. 7th International Conference on Teaching Statistics, Salvador, Bahia, Brazil. July 2-7, 2006.
- 22) *The Impact of Entry Competence and Academic Achievement on the Graduates in the Licensure Examination for Teachers (LET)*, San Carlos Borromeo Research Forum: Social Sciences and Education Series, University of San Carlos, Cebu City, November 24, 2005.
- 23) *Assessing Statistical Literacy in Graduate Level Statistics Education*. 55th Session of the International Statistical Institute, Sydney, Australia, April 2005.

Grants Received

- 1) CHED Continuing Professional Education (CPE) grant: *Certificate Program for Course Development within Outcomes-based Teaching and Learning (OBTL) Framework*. Commission on Higher Education (CHED). October 2018- September 2019.
- 2) *Meeting the Emerging Needs of Adult Learning Professionals*, University of Toronto, Toronto, Canada, An Adult Education Training grant from CHED and the Canadian Bureau of International Education (CBIE). (August 2018-February 2019).
- 3) *Statistical Capacity Building towards Establishing a Statistics Center at the University of San Carlos*, part of CHED Institutional Development and Innovation Grant (IDIG). (August 2017-July 2018)
- 4) *Promoting Understanding of Statistics about Society*, A World Bank Grant for Statistical Capacity Building at Max Planck Institute for Human Development, Berlin, Germany (July 2016)
- 5) *Linneaus Palmae International Faculty Exchange Program*, Jonkoping University, Sweden (April – May, 2013). Taught Research, Project Evaluation, and Single-variable Calculus .
- 6) *The K to 12 Basic Education Program: Exploring its Implications for Teachers' Professional Development Needs and Curricular Resources in Pre-service Teacher Education*, A research grant from the Commission on Higher Education (CHED) Grant-in-Aid Program at the onset of implementation of the K to 12 Basic Education program in the Philippines (May 2011- June 2012).
- 7) *Theoretical Underpinnings of Vertical Articulation of Curriculum Vis-À-Vis Current Practices Among Cebu Higher Education Institutions: A Policy Study*. A research grant from the Commission on Higher Education (CHED) Grant-in-Aid Program (February 2010- March 2011).

Resource Person (Webinars via Zoom during COVID-19 lockdown)

- 1) *Research Problem Conceptualization and Methodology for Social Science Research*. Webinar for the Faculty of the Biliran Province State University. May 5 & 12, 2020.
- 2) *Writing a Publishable Paper*. Webinar for the College of Teacher Education Faculty of Surigao State College of Technology, April 14, 2021.
- 3) *Assessing Student Learning in a Flexible Learning Environment*. Webinar for Faculty of Region 6, 7, and 8, HEIs organized by CHED-RECPE 3D FlexLeap@USC. March 19, 2021.
- 4) *Quantitative and Mixed Methods Design for Action Research*, Webinar organized by the Cebu Technological University. March 11, 2021
- 5) *Research in the New Normal: Using Open Educational Resources (OERs) and Digital Tools for Data Collection and Visualization*. USC RDEPO Research Capacity Building. February 17, 2021(AM)
- 6) *Developing Competency for Evaluating Classroom Teaching and Learning*. Webinar organized by the USC Human Resource Management Office for Faculty Institutional Development. February 17, 2020 (PM)
- 7) *Developing Action Research Proposals on Teaching in The New Normal* . A Webinar to the Faculty of Colegio de la Inmaculada Concepcion (CIC)- Cebu Cluster. February 10-11, 2021
- 8) *Managing Online Assessment Resources to Promote Student Engagement and Support Learning*. Webinar Organized by ItechRar, Inc. – Cebu City. February 6, 2020.
- 9) *Turning Theses and Dissertations into Publishable Articles*, Webinar organized by USC School of Education. January 22, 2011.
- 10) *Theses and Dissertation Advising: Principles and Practices*. Webinar for the Faculty of Cebu Normal University, November 14, 2020.
- 11) *Nurturing the Curriculum through Online Assessments in a Flexible Learning Environment*, Webinar organized by USC School of Education. October 28, 2020.
- 12) *Enhancing Student Engagement in Math Online Distance Learning through the Integration of Interactive Simulations and Formative Assessment Tools*, Webinar organized by USC Science and Mathematics Education Department. August 22, 2020
- 13) *Assessment and Grading for Online Learning Environments*. Webinar for the faculty of the USC School of Law and Governance. June 30, 2020.

- 14) *Flexible Teaching and Learning in Mathematics*, A nationwide webinar organized by PhFriends for Math Teacher, June 13, 2020
- 15) *Experiences and Challenges in Teaching Graduate Courses During the Enhanced Community Quarantine*, April 23, 2020

Resource Speaker/Facilitator (Outside USC)

- 1) *Revisiting the Philosophy of Outcomes-based Education and Constructive Alignment*. Faculty Development Seminar-workshop at Misamis University, Ozamiz City, May 2, 2019.
- 2) *Workshops on Teaching and Learning Statistics and Probability for K to 12 Mathematics Teachers*, April-May 2016, 2017 and 2018.
- 3) *Statistical Analysis of Quantitative Data*. Misamis University, Ozamiz City, October 27, 2017.
- 4) *Teaching Statistics and Probability as a Core Course in the K to 12 Senior High School Curriculum*. A workshop series for Senior High School Teachers in public and private schools of Cebu and neighboring province held at SMEd, USC-Talamban Campus. April 19-May 4, 2016.
- 5) *Assessment Principles and Practices: Towards Outcomes-based Education*, Holy Name University, Tagbilaran City. April 6-7, 2016.
- 6) *The Teaching–Learning Process in all Levels*. Notre Dame of Dadiangas University, General Santos City. April 7-9, 2015.
- 7) *The Ten Big Statistical Ideas in Research*. 4th UCLM Research Forum. University of Cebu – Lapulapu -Mandaue Campus. March 9, 2015.
- 8) *The Outcomes-based Education (OBE) Framework for the Sciences and Mathematics*. College of Science and Mathematics, Western Mindanao State University, Zamboanga City. February 17-19, 2015.
- 9) *Statistical Analysis and Design of Experiments using SAS-JMP*, In-house training for Statistical Quality Control engineers of Fairchild Semiconductors, Inc. of Mactan Export Processing Zone (MEPZ), Lapu-lapu City. May 7-8, 2014.
- 10) *Research Instruments: Their Role in the Research Process*. Cebu Doctors' University, Mandaue City. October 28, 2014.
- 11) *Questioning Techniques and Preparing Examinations with Table of Specifications*. Notre Dame of Dadiangas University, General Santos City. May 30-June 1, 2012
- 12) *Table of Specifications and Test Construction*. Bohol Island State University, Clarin, Bohol. February 24, 2011.
- 13) *Test Construction and Questioning Techniques*. Notre Dame of Dadiangas University, General Santos City. October 25-26, 2011
- 14) *Basic Statistics and Statistical Report Writing*, Training for Department of Agriculture personnel under Statistical Research and Training Center (SRTC). Cebu City, November 7-11, 2011.
- 15) *Research Proposal Workshop*. Cebu Technological University, June 7, 2011.
- 16) *Conceptualizing Research Problems*. Faculty In-service Research Capability Program, Graduate School, University of Cebu, Cebu City, June 18, 2011.
- 17) *Utilization of Research Outputs*. Philippine Association for Graduate Education (PAGE) –Region VII Summer Assembly. May 7, 2011.
- 18) *Data Gathering and Processing in Research*, Faculty In-service Research Capability Program, College of Arts and Sciences, CIT-University, Cebu City, November 13, 2010.
- 19) *Multivariate Data Analysis: A Powerful Tool for Research*. Mater Dei College, Tubigon Bohol, June 28, 2010
- 20) *Research Capabilities Building Seminar*. UC Faculty In-Service Training. University of Cebu, Cebu City. June 3-5, 2010.

- 21) *Planning, Constructing and Evaluating Teacher-Made Tests in Accountancy*. Seminar sponsored by the Philippine Institute of Certified Public Accountants (PICPA) and the Association of Certified Public Accountants in Education (ACPAE). University of San Carlos CPA Review Center, Cebu City, March 6, 2010.
- 22) *Training Workshop on Research for Science Investigory Projects*. Leyte National High School, Department of Education - Division of Tacloban City, Tacloban City, January 19, 2010.
- 23) *The Art and Science of Asking Questions*. In-service Faculty Seminar-Workshop. Notre Dame of Dadiangas University, General Santos City, December 9-10, 2009.
- 24) *New Trends in Performance Evaluation for Nursing Education*. Seminar sponsored by Philippine Nurses' Association- Region VII Chapter, Cebu Normal University, Cebu City December 5, 2009
- 25) *Basic Statistics with Microsoft Excel* . Statistics Training for Government Personnel sponsored by NEDA –Region VII Office and the Statistical Research and Training Center (SRTC), DepEd- Ecotech, Lahug Cebu City. June 1-2 & 5, 2009 and July 6-7 & 10, 2009.
- 26) *GIA Proposal Writing Workshop*. USC –CHED Zonal Research Center. Montebello Villa Hotel, Cebu City. February 19, 2009.
- 27) *Active Learning Strategies for Mathematics Classes*. In-service Faculty Seminar-Workshop for Secondary and Elementary Math Teachers. B.R.I.G.H.T Academy. Cebu City June 17, 2009.
- 28) *Instructional Planning and Assessment*. In-service Faculty Seminar-Workshop for Secondary and Elementary Teachers. B.R.I.G.H.T Academy, Cebu City, June 9-10, 2009.
- 29) *Research Instrumentation and Statistical Tools in Research*, Research Capability Building Seminar Workshop University of Cebu- Main Campus June 1, 2009
- 30) *Principles of Instructional Planning and Evaluation, and Principles & Methods of Teaching*, In-service Faculty Seminar-Workshop. Notre Dame of Dadiangas University, General Santos City, October 15-18, 2008.
- 31) *Using Rubrics As Guide in Evaluation*, University of Cebu- Lapulapu-Mandaue, UCLM Campus, Mandaue City, June 6, 2008.
- 32) *Enhancing Teaching and Learning through Effective and Meaningful Assessments*. Mountain View College, Valencia City. April 2-3, 2008.
- 33) *Quantitative Research, Sampling and Hypothesis-Testing*. In-service Faculty Seminar for Graduate Professors, Graduate School, Southwestern University. May 28, 2010.
- 34) *Instructional Assessment and Evaluation of Student Learning*, LVD Faculty In-service Training. Liceo de Verbo Divini, Tacloban City. May 22-24, 2008.
- 35) *2008 Summer Institute on Basic Data Analysis with the use of Microsoft Excel*. Organized by Philippine Statistical Association-Central Visayas Chapter. University of the Philippines, Cebu City. May 15-16, 2008.
- 36) *Using Web-based Resources and Simulation to Enhance Mathematics Teachers' Pedagogical Content Knowledge in Introductory College Statistics*. 6th Biennial Conference of the Philippine Council of Mathematics Teacher Educators (MATHED). An International Conference in Mathematics Education held at the University of San Carlos, Talamban Campus. October 2007.
- 37) *SPSS Hands-on Training on Data Analysis*, Organized by the Philippine Statistical Association- Central Visayas Chapter, University of the Philippines Cebu College, May 27, 2006.
- 38) *Research Data Processing and Analysis*. Southwestern University. October 2006.
- 39) *Managing Outcomes, Training Workshop on Advanced School Based Management for Secondary School Heads*, Department of Education- Division of Zamboanga del Sur and Division of Masbate. November 19- December 2, 2006.
- 40) *Statistics in Social Science Research*, Cebu Institute of Technology. March 2006.

Resource Speaker/Facilitator (Within USC)

- 1) Research Capacity Development Workshop for USC Senior High School and Tertiary Research Teachers: *Research Problem Conceptualization and Research Designs*, Virtual Training Room, LRC, USC-Talamban Campus, October 11-12, 2018.
- 2) *Statistical Capacity Development Workshops for CHed-IDIG grant towards establishing a Statistics Center at USC*, October 2017 – July, 2018
- 3) *Seminar-Workshop on Developing an Action Research Proposal*, SMEd Rm D314, Talamban Campus, October 20, 2017.
- 4) *Basic Statistics for Research in Library and Information Science*. Department of Computer and Information Sciences. September 16, 2016.
- 5) *Let's Talk OBE*. Biology Department, USC Talamban Campus, August 24, 2016.
- 6) *Designing Authentic Performance Assessments in Physical Education*. Department of Physical Education. February 5, 2016.
- 7) *Outcomes-based Teaching and Learning (OBTL)*. School of Education, January 2016.
- 8) *Principles of Assessment*. School of Engineering. November 13, 2015.
- 9) *Faculty Performance Evaluation Tool and Teaching Portfolio*. USC HRMO's IDU Session for New Faculty, August 2015
- 10) *Outcomes-Based Teaching and Learning for Department of Computer Engineering Faculty*. USC Talamban Campus, May 25, 2015.
- 11) *Responding to the Challenges of Educational Assessment and Evaluation in K to 12 Basic Education Reform and Outcomes-based Teaching and Learning*. College of Education Academic Forum, May 31, 2014.
- 12) *Faculty Performance Evaluation Tool and Teaching Portfolio*. USC HRMO's IDU Session for New Faculty, August 2014.
- 13) *Homeroom Show and Tell: Carolinian's Career in Motion*. USC BEd-South Campus, December 2014.
- 14) *Fundamentals of Grading Students' Performance* (for faculty of the College of Law), Law and Business School Building, University of San Carlos, June 9, 2012.
- 15) *Outcome-Based Education: Assessment Theory and Practice*. CPA Review Center, University of San Carlos. May 18, 2012.
- 16) *Planning for Faculty Research based on the Principles of Outcome-Based Education* (For faculty of the USC College of Architecture and Fine Arts) Intosan Resort,. Danao City, Cebu. April 27, 2012
- 17) *Statistical Literacy for Research*. Faculty In-service Research Capability Program, College of Arts and Sciences, University of San Carlos, Cebu City, September 15, 2011.
- 18) *Mathematics Research Building Capabilities and Problem Conceptualization*, Mathematics Department, University of San Carlos, September 4, 2010.
- 19) *Action Research for Basic Education*. University of San Carlos Basic Education Department-North Campus, July 23, 2010.
- 20) *How to Craft Multiple-choice Questions*. College of Law, University of San Carlos. June 2010
- 21) *Designing Activities in the Mathematics Classroom*, USC College of Education, March 2008
- 22) *CAS Curriculum Planning and Development*, Theodore Battenbruch Hall, USC Main Campus, April 2008.
- 23) *Publish or Perish: Phase III- PEN WORKS*, College of Commerce Research Capability Building and Mentoring Program, November 2007
- 24) *Multivariate Approaches in Research*, Research Colloquium for Doctoral Students, USC College of Education, August 2007

Professional Affiliation

- Member /Past Vice President : International Association for Statistical Education (IASE)
- Elected Member : International Statistical Institute (ISI)
- Member, Board of Directors : Philippine Statistical Association- Central Visayas Chapter
: Mathematics Society of the Philippines – Cebu Chapter

Special Trainings/Short-Courses Attended

- *PISTAR International Training Program on Data Science*. On-going: May –August 2021.
- *Content Development for Open Distance Learning*, University of the Philippines Open University, June 2020
- *Remote Teaching and Learning: Concepts and Models*, University of the Philippines Open University, May 2020
- *Strategic Planning to Transition to Remote Teaching and Learning*, University of the Philippines Open University, May 2020
- *Teaching and Learning with Modern ICTs*, UP Open University, April 2020
- *Introduction to the Technology of Teaching and Learning*. UP Open University, April 2020
- *Design Thinking for Higher Education Professionals*. CHed, OISE, Uof T and ISCOF, Iloilo City. September 18-20, 2019
- *Meeting the Emerging Needs of Adult Learning Professionals*. Ontario Institute of Studies in Education, University of Toronto, Toronto, Canada. August 13-24, 2018
- *Train the Trainers Program*, Philippine Statistical Research and Training Institute, January 9-12, 2019, PSRTI, Diliman, QC
- *Classification and Regression Trees (CART)*. Philippine Statistical Association, December 2018.
- *Intensive OBE Training with Dr William Spady for selected USC Faculty*, August-November 2016.
- *Data Mining and Predictive Analytics*. International Statistical Institute –Regional Southeast Asian Network, Sasana Kijang, Kuala Lumpur, Malaysia. November 20-23, 2014.
- *Applying the Rasch Model in the Human Sciences*. International Conference in Statistical Modeling, Quezon City, Philippines. October 21-22, 2014.
- *Introduction to Structural Equations Modeling*. Statistics.com, [on-line] www.statistics.com/ November -December 2010.
- *Six Sigma in Public Service: An Introduction with Examples*. University of Ljubljana, Ljubljana, Slovenia, July 2010.
- *Statistics Trainers' Training*. Statistical Research and Training Center (SRTC), Diliman, Quezon City. May 2007
- *Training on Research and Capability Building on Collaborative Governance* August 2010, De La Salle University, Manila.

Other Professional Experiences

- **Article Reviewer**, Journal of Statistics Education (JSE), Statistics Education Research Journal (SERJ), *Teaching Statistics* Journal, CNU Journal of Higher Education, USJR Journal of Multidisciplinary Research
- **Guest Co-Editor**, Statistics Education Research Journal (SERJ), November 2014 issue.
- **Chair, Topic Study Group** for Topic 12: Teaching and Learning of Statistics for the forthcoming 14th International Congress on Mathematics Education (ICME) on July 12-19, 2020, Shanghai, China. <http://www.icme14.org/static/en/news/37.html?v=1549094950776>
- **Private Sector Representative**, Regional Statistical Coordination Committee (RSCC), National Economic Development Authority (NEDA) - Region VII, (2008-2015).
- **Certified Statistics Trainer for Region VII**, Statistical Research and Training Center (SRTC), an agency of NEDA and currently, the Philippine Statistical Training and Research Institute (PSRTI), (2007-present)

- **Member, International Panel of Reviewers.** (2014). *Empowering the Future Generation through Science Education*. In R. P. Devadason, I. Zurida and K. T. Ng (Eds). Penang, Malaysia: SEAMEO-RECSAM. https://umexpert.um.edu.myfile/publication/00003856_125910.pdf
- **Session Organizer and Poster Convenor,** 9th International Conference on Teaching Statistics. July 13-18, 2014. Flagstaff, AZ, USA.
- **Chair, Local Organizing Committee.** 2012 Roundtable Conference of the International Association for Statistics Education (IASE), July 2-6, 2012, Cebu City, Philippines. <http://icots.net/roundtable/>
- **Member, Topic Study Group** for Topic 11: Teaching and Learning of Probability. 2012 International Congress on Mathematics Education (ICME), July 8-15, 2012, Seoul, South Korea. <http://www.icme12.org/>
- **Topic Convenor,** Topic 10: International Perspective on Statistics Education, 8th International Conference on Teaching Statistics (ICOTS), Ljubljana, Slovenia, 11–16 July 2010, <http://www.icots8.org/convenors.php>
- **Past Vice-President and Member, Executive Committee.** International Association for Statistics Education (IASE) (2007-2011). <http://www.stat.auckland.ac.nz/~iase/about/committee>
- **Past Member: Advisory Board of the International Statistical Literacy Project (ISLP),** (2005-2007) <http://www.stat.auckland.ac.nz/~iase/islp/people>
- **Representative for Asia, Committee on Women in Statistics,** International Statistical Institute, http://www.nass.usda.gov/cws/cws_meeting_8_28.pdf (2008-2012)


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