Curriculum Vitae:

JOSEFINA P. DE LOS REYES

PRESENT RANK: Assistant Professor
Department of Statistics
The University of Akron
Akron, Ohio 44325   Tel: (330) 972-7127; Office: CAS 115H

PERSONAL DATA:
Birthdate: March 19, 1946
Married to: MacArthur V. Delos Reyes, P.E.
Children: Christina, Myra, and Arthur Delos Reyes
Citizenship: U.S.A.
Home Address: 1300 Rustic Trail
                    Parma, Ohio 44134-4860   [Telephone: (440) 845-7001]

EDUCATIONAL DATA:
1985 Ph.D. Statistics: Case Western Reserve University
1976 M.S. Mathematics: Cleveland State University
1973 M.S. Mathematics: University of the Philippines
1965 B.S. Mathematics: University of the Philippines

PROFESSIONAL EXPERIENCE:
1985- Present Assistant Professor, The University of Akron
                Courses taught: Probability, Advanced Probability & Stochastic Processes,
                Multivariate Statistical Methods, Actuarial Science I, Mathematical Concepts for
                Statistics, Applied Statistics I & II,Theoretical Statistics I & II, Advanced Behavioral
                Statistics I & II, Introductory Statistics I & II, Statistics for the Health Sciences,
                Analytic Geometry & Calculus I, Precalculus, Preparatory Mathematics,
                Basic Statistics, and Statistics for Everyday Life
1985   Lecturer, Cleveland State University
                    Taught courses in Trigonometry.
1979-1982   Lecturer and Graduate Assistant, Case Western Reserve University
                    Taught courses in Basic Statistics I & II, Introductory Statistics
                    and Elementary Calculus.
1975-1976   Graduate Assistant, Cleveland State University
                    Tutored students in a self-paced Calculus Series.
1971-1973   Lecturer, Maryknoll College
                    Taught Linear Algebra and Finite Mathematical Structures.
1971   Lecturer, Philippine Science High School
                    Taught Elementary Analysis to Senior Class of
                    Science Scholars of the Science Foundation of the Philippines.
1965-1975   Assistant Professor, University of the Philippines
                    Taught Differential Equations, Differential & Integral Calculus,
                    Analytic Geometry, Statistics, Trigonometry, College Algebra.

RESEARCH, PUBLICATIONS, and SCHOLARLY ACTIVITIES:

RESEARCH:
Ph.D. Dissertation -   1985: "Optimizing Linear Functions of Random Variables
                               Having a Joint Multinomial or Multivariate Normal Distribution"
M.S. Thesis -   1973:   "An Algorithm Method of Determining All the Numbers
                               Having a Given Sum of Divisors"

PUBLICATIONS:
[1] De Los Reyes, J. P. (1988). Optimizing linear functions of random variables having a joint
        multinomial or multivariate normal distribution. Proceedings of the 20th
        Symposium on the Interface, p.479-484; Amer. Stat. Assn.:
        Alexandria, Virginia; (E.J. Wegman, D.T. Gantz, and J.J. Miller, editors).

[2] De Los Reyes, J. P. (1989). Optimizing linear functions of random variables having a joint
        multinomial or multivariate normal distribution.
        Commun. Statist. -Simula., 18(3), 835-856.

[3] De los Reyes, J. P. (1990). Upper bound for singular normal probability integrals by
        integration over a hypersphere. Commun. Statist. -Simula., 19(3), 847-861.

[4] Borowiak, D. S. and De los Reyes, J. P. (1992). Selection of the Best in 2x2 Factorial
        Designs. Commun. Statist. -Theory Meth., 21(9), 2493-2500

[5] Solution to Problem 436 (Nov.1990).The Coll. Math. Journal. 22(5), 444-445, November 1991.

[6] Solution to Problem 475 (Mar.1992).The Coll. Math. Journal. 24(2), 189-190, March 1993.

[7] Solution to Problem 498 (Mar.1993).The Coll. Math. Journal. 25(2), 161-162, March 1994.

[8] J. P. De Los Reyes, A. Pourdarvish, C. K. Midha and A. Das.(2006)."Construction
        and Use of Magic Squares and Magic Rectangles". Statist. and Applications
        Vol. 4, No.1, 2006 (New Series) pp. 39-45.

[9] J.P. De Los Reyes, A.Das and C. K. Midha. (2008)."A matrix approach to construct
        magic rectangles of even order". Australasian Journal of Combinatorics.
        Volume 40 (2008), Pages 293-300.

[10] C. K. Midha, J.P. De Los Reyes, A.Das and L.Y. Chan. "On a method to construct magic
        rectangles of odd order". Statist. and Applications
        Vol. 6, Nos.1 & 2, 2008 (New Series) pp. 17-24.

[11] J.P. De Los Reyes, A. Das, C. K. Midha and P. Vellaisamy. (2009) "On a method to
        construct magic rectangles of even order".   Utilitas Mathematica
        <MathJournals@attglobal.net> Accepted for publication as of August 9, 2007.

ONGOING RESEARCH: Current work in on (a) general case of odd by odd magic rectangles
        and (b) certain cases of even by odd "nearly magic" rectangles

Note : **Difference in content** of publications [8], [9], [10], [11] on magic rectangles (see page 2):

In [8], magic squares of odd order are constructed as a linear combination of 2 orthogonal Latin squares. The Latin squares are first found through the development of 2 pseudo-magic squares (in which the rows, columns, and diagonals have the magic property or the same sum, but the integers are repeated rather than consecutive from 1 to n*n (or 0 to n*n -1). A certain kind of magic rectangles, whose entries are not consecutive integers, are then constructed by working with the rows of a magic square constructed as described above.

Unlike the magic rectangles in [8], the m by n (case of both m and n are even) magic rectangles in this paper [11] consist of rectangular arrays of consecutive integers from 1 to m*n whose rows have the same sum r and whose columns have the same sum c. (hence m,n are both even or both odd). Here, the construction method or algorithm is described in terms of a serpentine or wavy arrangement of the consecutive integers as they are entered into the mxn array.

The paper [9] is related to the other paper [11] on even magic rectangles – but the general approach uses matrices, and a SAS program has been written to produce any even ordered magic rectangle. In this paper it is also shown that within an nxn magic rectangle obtained by this matrix approach, (not a magic square since the diagonals do not have the same sum as all the row and columns), one finds magic rectangles imbedded in the square, of dimensions kxn where k = 2,4,6,…n.

Publication [10] deals with a particular case of odd by odd magic rectangles, n by (n+2) for any odd number n.

SCHOLARLY ACTIVITIES:

Presentation of Paper at Professional Meetings:

Invited Speaker at the Regular Monthly Meeting of the ASA Cleveland Chapter,
May 3, 2000: "Computer Generation of Magic Squares by MINITAB® "

Podium Presentation at the 2000 Annual Meeting of The Ohio Academy of
Science hosted by Ohio Northern University held April 1, 2000:
"Computer Generation of Magic Squares by MINITAB® ".

Department of Mathematical Sciences Colloquium, U Akron; October 13, 1989.
"Bounds for Singular Multivariate Normal Probability Integrals"

20th Symposium on the Interface of Computing Science and Statistics :
Reston, Virginia; April 21-23, 1988. "Optimizing Linear Functions of
Random Variables Having a Joint Multinomial or Multivariate
Normal Distribution"

Third SIAM Conference on Discrete Mathematics:Clemson, SC May 14-16, 1986.
"An Algorithm to Determine All the Numbers Having a Given Sum of
Divisors"

Scholarship of Teaching and Learning- lectures & seminars attended

Institute of Teaching & Learning (ITL) talk: "The Faculty's Role in Creating an
        Enabling Learning Climate". Howard G. Adams, PhD, at U Akron, Mar 13, 2007

FYE summit (First-Year Experience of college students): Ohio First-Year
        Experience Summit at U Akron, October 29, 2004

Institute of Teaching & Learning Distinguished Visiting Scholar Seminar III:
        "Statistical Thinking: Can Any of Us Be Successful Without It?"
        Dr. Robert Mason, ASA President, Institute Analyst -Southwest Research
        Inst. & Fellow-American Society for Quality. October 2, 2003

ITL talk: "Making Group Work Work: Promoting Success and Avoiding Common Pitfalls".
         Dr. David McConnell & Thomas Angelo: January 30, 2003

2nd Annual Celebration of Teaching & Learning : April 11, 2003

ITL Weekday Seminars at UA: "The 15-Minute Lecture: Less Teaching for More Learning",
        Dr. David McConnell: Sep 10, 2002;   "Classroom Assessment Techniques:
        Finding Out How Well They're Learning What We're Teaching", Dr. Thomas A.
        Angelo: Sep 1, 2002;   "Using Technology and Interactive Criteria Sheets to
        Systematically Observe & Record Data", Dr. Victor Pinheiro: Sep 24, 2002.

ITL talk: "Spring Syllabus Tune-up". Prof. Thomas A. Angelo: December 11, 2003

ITL Distinguished Visiting Scholar Symposium: Dr. Maryellen Weimer, November 8, 2002.
        "Doing Scholarship on Teaching: Forms and Outlets for Publishing" and
        "Teaching that Promotes Learning: Which Changes Are Worth Making?"

ITL Distinguished Visiting Scholar Workshop: Dr. Maryellen Weimer, November 9, 2002.
        "Making Teaching Learner-Centered: How to Implement Changes Successfully"

Teaching & Learning with Technology Colloquiums at UA: "Using Interactive CD-ROM
        Technology: New Options for Teaching Content and Skills", Dr. Victor E. Pinheiro,
        October 16, 2001;   "Sharing Quality Resources to Support Instruction", Dr. John
        N. Savery, November 27, 2001

Professional Meetings & Seminars/Institutes Attended:

"Best Practices for Teaching with Springboard", UA Seminar (October 2007)

US Conference on Teaching Statistics 2007 (USCOTS), Ohio State U, May 17-19, 2007

"Statistics in Action" Summer Institute. in cooperation with UC Berkeley Extension,
jointly sponsored by Key Curriculum Press. July 13-20, 2003 [Mills College, Oakland, CA]

Seminar on WebCT, for web-based instruction, January 3, 2001 at U Akron

Canton-Akron-Massillon SAS Users Group (CAMSUG) meeting, U Akron, Nov 15, 2001

Regular monthly meetings (lunch-meeting & invited speaker), ASA Cleveland Chapter.
        [As my teaching schedule allows]

Ohio Statistics Conference, U Akron Department of Statistics [host], November 3, 2000

American Statistical Association - Cleveland Chapter: Autumn Workshop
        Logistic Regression,   November 3, 1999 [Cleveland, OH]

American Statistical Association - Cleveland Chapter: Autumn Seminar
        Survival Analysis Extended to Recurrent Events Data with Repairable Products,
        Disease Recurrences, and Other Applications, September 18, 1998 [Cleveland, OH]

American Statistical Association - Cleveland Chapter: Spring Seminar
        Re-Inventing Regression thru Graphics, May 4, 1998 [Cleveland, OH]

Columbus Actuarial Club Winter Meeting: Jeff Beckley, Society of Actuaries Design Team
        Current Changes in the Education & Examination Redesign and Conversion Rules
                December 11, 1997 [Columbus, Ohio]

American Statistical Association - Cleveland Chapter Spring Seminar: Artificial
        Neural Networks: A Practical Introduction, May 19, 1997[Cleveland, OH]

History of Mathematics Conference- 10th Anniversary Midwest- April 4-5, 1997 [U Akron]

Actuarial Mathematics - Mathematical Association of America (MAA) : Short Course
                June 3-5, 1996 [Marshall University, Huntington, WV]

Seventh Annual ASA/Ohio Statistics Conference: November 1991 [Columbus, Ohio]

MAA Section Meeting, October 1991 [Cleveland, Ohio]

Fifth Annual Ohio Statistics Conference: Akron, Ohio; November 1989 [U Akron]

20th Symposium on the Interface of Computing Science and Statistics: April 21-23, 1988
                [Reston, Virginia]

SIAM Eastern Ohio/Western Pennsylvania Section Meeting: March 19, 1988 [Kent, Ohio]

ASA Cleveland Chapter Conference, "Regaining the Competitive Edge": June 1, 1987
                [Akron, Ohio]

SIAM Eastern Ohio/Western Pennsylvania Section Meeting: October 11, 1986
         [Akron, Ohio]

1986 Joint Statistical Meetings: August 18-21, 1986 [Chicago, Illinois]

Third SIAM Conference on Discrete Mathematics: May 14-16, 1986 [Clemson, SC]

Membership in Professional/Honorary Organizations:
         Secretary, Cleveland Chapter of the American Statistical Association (1998)
         Member, American Statistical Association
         Member, International Honor Society of Phi Kappa Phi
         Member, Actuarial Faculty Forum

Judging Activities:
Volunteered as Super Judge(thru the UA Department of Polymer Science) at the
         52nd Annual Western Reserve District Science Day held March 18, 2000
Volunteered as Special Award Judge (thru ASA Cleveland Chapter, Statistics) during the
         47Th Annual Northeastern Ohio Science & Engineering Fair (NEOSEF)
         held March 6-9, 2000 at Cleveland State U.
Volunteered as a Judge at the 1998 Statistics Poster Competition - Joint Committee of the
         ASA & National Council of Teachers of Mathematics (NCTM), held Spring 1998.

Continuing Education Units Earned:
"Artificial Intelligence in Statistics" - sponsored by ASA, Chicago, IL; August 16, 1986.
"Fundamentals of Clinical Trials" - sponsored by ASA, Chicago, IL; August 17, 1986.
"Regaining the Competitive Edge" - sponsored by ASA Cleveland Chapter, June 1, 1987
"Power Communication Skills" - sponsored by Career Tracks, Akron, OH; November, 1987.
"Artificial Neural Networks: A Practical Introduction" - ASA Cleveland Chapter;
         May 19, 1997
"Re-Inventing Regression thru Graphics"- ASA Cleveland Chapter; May 4, 1998
"Survival Analysis Extended to Recurrent Events Data with Repairable Products, Disease
         Recurrences, and Other Applications"- ASA Cleveland Chapter; September 18, 1998
"Statistics in Action" Summer Institute. In cooperation with UC Berkeley Extension, &
         jointly sponsored by Key Curriculum Press. July 13-20, 2003 [Mills College,
         Oakland, CA]

FELLOWSHIPS, SCHOLARSHIPS, AND GRANTS:
1983	Summer Grant-in-Aid: Case Western Reserve University
1981-1982	Thesis Grant: United Nations Development Program
1973	Thesis Grant: National Science Development Board
1967-1969	Faculty Fellow: University of the Philippines
1961-1964	Undergraduate Full Scholar in Mathematics: Science Talent Search Program: Science Foundation of the Philippines & National Science Dev. Board
1961-1965	University Scholar, College Scholar, Entrance Scholar, U of the Philippines
1961	Valedictorian, Pangasinan Provincial Senior High School

TEACHING-RELATED ACTIVITIES at The UNIVERSITY of AKRON:

New Course Offerings:

In connection with the implementation of an additional option (Option III: Actuarial Science) to the B. S. Statistics degree in our department, 2 new courses (3 credits each) namely

3470:471/571 - Actuarial Science I and
3470:472/572 - Actuarial Science II

were offered for the first time in Fall 1992 and Spring 1993, respectively. The University of Akron is currently listed in the List of schools and universities offering courses in actuarial science, published by the Society of Actuaries.

Credits earned toward Associateship of the Society of Actuaries:
30 credits, for passing actuarial Course 100 - Calculus & Linear Algebra- Nov. 1992
30 credits, for passing sctuarial Course 110 - Probability & Statistics- Nov. 1992.
10 credits, for passing actuarial Course 120 - Applied Statistical Methods - Nov. 1998

`   **Readings Course / Independent Study / Senior Honors Project supervised:**
Hypothesis Testing   Readings   3470:253   1 cr hr
Experimental Design Readings   3470:256   1 cr hr
Applied Statistics II - Independent Study   3470:497   (4 cr hrs, Brian Gilbey)
Theoretical Statistics II - Independent Study 3470:497   (3 cr hrs, Brian Gilbey)
Theoretical Statistics II - Readings 3470:452/552   (3 cr hrs, Eric Winters & Greg Nemeth)
Applied Statistics II - Independent Study   3470:497   (4 cr hrs, Jan Spears)
Senior Honors Project: 3470:489 – Actuarial Science   (2 cr hrs, Jan Spears)
Actuarial Science I - Independent Study   3470:471   (1 cr hr, Don Shaft)
Theoretical Statistics II - Independent Study 3470:497   (3 cr hrs, Chris Ickes)
Special Topics - Independent Study   (2 cr hrs, Varun Midha)
Multivariate Statistical Methods   (2 cr hrs, Whitney Huang)

Faculty Reader for the following masteral degree students:
Rima Felfi, M.S. Stat. (Fall 1986, Advisor- Dr. Donald P. Story)
Mohammad Hassan Torabi, M.S. Stat. (Spring 1987, Advisor- Dr. Dale S. Borowiak)
Rosemary King, M.S. Nursing. (Spring 1989, Advisor- Prof. Joanne M. Marchione)
Pham Giao, M. S. Stat. (Spring 1991, Advisor- Dr. Dale S. Borowiak)
John Ratledge, M.S. Stat. (Spring 1992, Advisor- Dr. Dale S. Borowiak)
Ziad Traish, M.S. Stat. (Spring 1998, Advisor- Dr. Richard Einsporn)
Jia Qiang Jiang (Spring 2003, Advisor- Dr. Dale S. Borowiak)
Runni Song(Fall 2004, Advisor- Dr. Dale S. Borowiak)
Rajiv Thomas, M.S. Stat. (Spring 2004, Advisor- Dr. Dale S. Borowiak)
Lorinda Sedjo Mitchell, M.S. Stat. (Spring 2008, Advisor- Dr. Dave Stark)
Francis Tetteh, M.S. Stat. (Spring 2008, Advisor- Dr. Dale Borowiak)

Advisor for masteral degree paper:
Michelle Singer, MS Stat (Spring 1994)
Emmanuel DesBordes, MS Stat (Summer 2008)

Faculty Reader for doctoral degree student:
Robert Leasure - Coll. of Education - (Spring 1996)

SERVICE to the DEPARTMENT:
Chairman, Reappointment Committee (2001, 2003, 2006, 2008)
Faculty Hearing Board Representative, Office of Student Judicial Affairs (2007-2008)
Member, Search Committee for the Instructor position(2002, 2008)
Member, Search Committee for the Assistant Professor position(Fall 2007)
Department Representative, Women in Higher Education Luncheon - March 15, 2007
Awardee, Chairs' Award for Outstanding Achievement in Professional and Community
        Service, 2006
Member, Graduate Faculty Committee
Member, Chair Review Committee (2006)
College representative to College Appeals Committee (2004-2005)
Summer Session 2004: Faculty Mentor for 1 McNair Scholar
Summer Session 2003: Faculty Mentor for 2 McNair Scholars
Participant, Learning Assistants Program(Basic Statistics, SEL), 2003, 2006, 2007, 2008
Course Coordinator, Statistics for Everyday Life: 2003, 2004
Course Coordinator, Basic Statistics: 2000, 2001, 2002, 2005, 2006
In connection with the redesign in actuarial education, I renewed and updated the listing
        of The University of Akron with the Society of Actuaries (SOA) as one of the
        schools in the North American region that is classified as having an "advanced
        undergraduate actuarial science program". [http://www.soa.org/academic/akron.htm]
Represented the Statistics Department at a UA Graduate Info Session; September 17, 2003
Submitted to Dr. Steiner, the department Assessment Committee Chair, a summary of the
        assessment data collected for Basic Statistics of Fall 2000 semester;March 7, 2001
Volunteered to prepare & organize departmental poster display material, and was present
        during the event, for the Department of Statistics at the "Olin Hall Roundup" Fair
        sponsored by Buchtel College of Arts & Sciences on these dates: October 2000,
        October 2001, 23 October 2002, 10 Oct 2003, 20 October 2004, 25 October 2006.
Volunteered to prepare & organize departmental poster display material for the Department
        of Statistics at the annual "Majors Mosaic" Fair sponsored by University College
        (UA) on these dates: Oct 2000, 3 Oct 2001, 2 Oct 2002, 1 Oct 2003, 6 Oct 2004.
Organized a Farewell Party for departmental administrative assistant, December 2001
Arranged a joint dinner-meeting between Department of Statistics at UA and Cleveland
        Chapter of ASA (American Statistical Association) with invited speaker:
        Prof. PV Rao, U of Florida, May 5,1999 [UA, Martin Center]
Scheduled a Summer 1999 workshop (June 21-25) to be held at Gardner Student Center
        for the Quantitative Literacy(QL) Program of the ASA, in a joint effort with the
        Cleveland Chapter of ASA.

Obtained sponsors and arranged for two (of four required) follow-up sessions for the teacher-participants of the QL Summer Workshop described in #2. One was held last October 27, 1999 at The Goodyear Tire & Rubber Company. Another was held on February 16, 2000 at SUMMA Health System-Akron City Hospital.

Secretary & peer evaluator for the Reappointment Committee (October 2002)

Chairman, Tenure Committee (1993)

Chairman, Committee on Actuarial Science Option

Course Coordinator, Preparatory Mathematics (1991-1993)

Secretary, Departmental Graduate Faculty Committee (1991)

Member, Search Committee for Stat faculty (1997-1998)

Member, Colloquium Committee (1994,1995)

Member, Statistical Consulting Group (1987-1988)

Member, Placement & Assessment Committee (1993)

Member, Scholarship Committee, Library Committee

Member, Committee to computerize Basic Statistics (1988)

Academic Advisor for departmental majors

Delegate to President Elliott's Inauguration Ceremonies, representing The University of the Philippines - May 1993

Phonathon Participant, University Of Akron Fundraising: 1987, 1988

Attended Commencement Exercises at U Akron as Faculty on Spring 1989, Spring 1993;

Attended Commencement Exercises at U Akron as department representative on Spring 1999, Fall 1999, Spring 2001, Fall 2001, Spring 2002, Spring 2006

COMMUNITY SERVICE:

Chair Couple, Decorations Committee-25th Anniversary Celebration of the Philippine American Society of Ohio (PASO)-June 1992

Chair Couple, Decorations Committee-Annual Valentine's Ball of the PASO Women's Auxiliary - February 1993

Co-Chairman, Easter Celebration-Philippine American Ministry,

Cleveland Catholic Diocese - April 1993

Co-Chairman, Program Committee, PASO Rizal Night - December 1994

Member, Advertisements Committee, PASO Rizal Night - December 1994

Member, Food Committee, PASO Booth at Nationalities Day Celebration, Parmatown Mall, Parma, Ohio - September 1995

Member, Philippine American Ministry Prayer Group

Chair Couple, Inauguration & Blessing of the Philippine American Cultural & Civic Center- Parma, Ohio- June 1997

Member, Diocesan Pastoral Council, Diocese of Cleveland, 1998-2000

Vice-President, Women's Auxiliary of Philippine American Society of Ohio, 2001-2003

Secretariat, Bukas Loob sa Diyos Covenant Community, Cleveland, 2006-present