

## Joyce Raymond B. Punzalan

Assistant Professor, School of Statistics

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### Education

- 1997, M.S. in Statistics from University of the Philippines (UP), Diliman QC, Philippines
- 1994, B.S. in Statistics from University of the Philippines
- 1990, High School Diploma from Paco Catholic School, Manila, Philippines
- 1986, Elementary Diploma from Paco Catholic School

### Research interests

Multivariate analysis, statistical modeling, applied statistics

### Published Research

- De Leon, A. R. and Punzalan, J. B. (2013). *An Elementary Proof of Independence of Least Squares Estimators of Regression Coefficients and Variance in Linear Regression*, The Philippine Statistician, Vol. 62 (1), pp. 77-81.
- Tejada, J. J. and Punzalan, J. B. (2012). *On the Misuse of Slovin's Formula*, The Philippine Statistician, Vol. 61 (1), pp. 129-136.
- Tabunda A. L. , G. M. Sarte and Punzalan, J. *A Statistical Analysis of Socialized Tuition and Financial Assistance Program Eligibility Requirements. Policy Towards Further Democratization of Access to UP Education*, Vol. III

### Paper Reviewed

- *Markers of Early Biological Effects after Exposure to Cytotoxic Chemotherapeutic Agents in the Workplace*. This research was

funded by a grant from the UP Vice President for Academic Affairs under the Creative and Research Development Program.

- Reviewer, St Paul University Quezon City Journal, 2005-2011

#### Membership in Defense Panels

- *Predicting Consumer Acceptability of Crispy Pili Nuts Based on Sensory and Physical Attributes* by Christian Ciron, Master of Statistics (2004)
- *A Discriminant Model for Assessing Math and Science Capability for Secondary Schools in the Province of Albay: An Application of Selected Cluster Analysis and Logistic Regression Techniques* by Marytina Racquel Bonganay, Master of Statistics (2003)
- *Analysis of Risk Factors on Survival Time Among Students of Aquinas University Science-Oriented High School* by Lalaine Mesias, Master of Statistics (2001)

#### Positions Held

- October 2004 – May 2008. College Secretary of the UP School of Statistics. Duties of the College Secretary include (a) informing students during registration of their schedule, curricula, and other matters, (b) assisting in the supervision of student activities, (c) helping execute decisions of committees of the College/School and of the University authorities affecting students, and (e) performing other duties assigned to him/her by the Dean. I served as Officer-in-Charge of the School every time the Dean was on-leave.
- Member, Undergraduate Curriculum Committee, UP School of Statistics. This committee evaluates and revises the Undergraduate Curriculum of the School.
- Member, Committee on the Student Evaluation of Teachers, UP Diliman. This University Committee evaluates and revises the survey tool used by students in evaluating their teachers.

### Affiliations and Awards

- Thematic Poster Session, European Respiratory Society, 2012 Congress  
*Adjunct treatment of pneumonia in children 6-18 years old using a hand held sputum induction device* With MA Uson, A de Leon, B Balete, L Domagas
- 1997, UP Foundation, Inc. Faculty Grant in Statistics
- 1994, Honorable Mention
- 1990, First Honorable Mention, Excellence in Mathematics
- 1986, Salutatorian
- Coach, 2003 Philippine Statistics Quiz National Champion
- Lifetime Member, Philippine Statistical Association

### Trainings and Conferences Attended

- 6<sup>th</sup>-12<sup>th</sup> National Convention on Statistics (held every 3 years from 1995-2013)
- 11<sup>th</sup> and 12<sup>th</sup> Statistical Research and Training Center Annual Conference (1998 and 1999)
- 2<sup>nd</sup> Seminar-Workshop in Upgrading UP Mathematics Education (1998)
- UP Diliman Junior Faculty Congress (2002)

### Training Manuals Written

- Training Manual in Regression Analysis (with 5 co-authors)
- Training Manual in Basic Statistics with Exploratory Data Analysis (with 5 co-authors)

### Selected Trainings Conducted

- Resource Person, Going Beyond Borders Through Research, St Paul University Dumaguete, (2013)
- Seminar-Workshop on Basic Statistical Inference, National Power Corporation (2007)
- Time Series Analysis and Forecasting, UPSCRFI (2001)

- Statistical Inference, Central Bank (2000)
- Statistical Methods for the Social Sciences, UPSCRFI (1997)
- Statistical Projection and Forecasting, Department of Energy (1996)

#### **Selected Consulting Services**

- Consultant, Organizational Health Profile, Napocor
- Research Associate, Technical Assistance on the Estimation of the 2011 and 2012 Benefit Delivery Rate, for HPDP of UPecon Foundation, Inc
- Research Associate, Technical Assistance on the Estimation of the 2009 and 2010 Benefit Delivery Rate, for HPDP of UPecon Foundation, Inc