

Michael Daniel Cyd Lucagbo

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Education

- University of the Philippines Diliman, M.S. Statistics, 2014
- University of the Philippines Diliman, B.S. Statistics (Magna Cum Laude), 2010

Professional Positions

- Assistant Professor, School of Statistics, University of the Philippines Diliman (June 2014-present)
- Instructor, School of Statistics, University of the Philippines Diliman (June 2011-May 2014)
- Lecturer, School of Statistics, University of the Philippines Diliman (April-May 2011)
- Program Development Assistant, University of the Philippines Diliman (September-December 2013)

Honors and Awards

Paper/Conference Awards

- Best Scientific Poster Award (2011), National Academy of Science and Technology (NAST)
- Best Scientific Poster Award (2010), National Academy of Science and Technology (NAST)
- First Place, Best Undergraduate Student Paper Awards (2010), School of Statistics, University of the Philippines Diliman

National and International Awards

- Love of Learning Award (2010), Phi Kappa Phi International Honor Society
- Second Place, Philippine Statistics Quiz (2006), National Statistics Office

Department Awards

- Most Outstanding Teacher for Undergraduate Classes (2012, 2013, 2014 and 2015), School of Statistics, University of the Philippines Diliman
- Most Outstanding Teacher for Statistics 101 Classes (2011, 2012, 2015), School of Statistics, University of the Philippines Diliman

Professional Memberships

- Phi Kappa Phi International Honor Society, 2010-present
- University of the Philippines School of Statistics Alumni Association, 2010-present

Bibliography

- *Refereed Research Articles*

1. Lucagbo, M. (2016). Comparison of Ordinal Logistic Regression with Tree-Based Methods in Predicting Socioeconomic Classes in the Philippines, *The Philippine Statistician*, 65(1): 1-14.
2. Lucagbo, M., De la Cruz, L., Narvasa, J., Paglicawan, M., Pepito, J. (2015). Incidence of Crimes and Effectiveness of Interventions in the National Capital Region: Evidence from Panel Data, *The Philippine Statistician*, 64(2):95-114.
3. Lucagbo, M. (2015). Predicting Socioeconomic Classification in the Philippines: Beyond the Ordinal Logistic Regression Model, *The Philippine Statistician*, 64(1): 1-14.
4. Bersales, L. and Lucagbo, M. (2014). Determinants of Regional Minimum Wages in the Philippines, *The Philippine Statistician*, 63(2): 69-83.
5. Lucagbo, M., Alcaraz, G., Cobrador, K., Japitana, E., and Sadsad, G. (2014). The Link between Expenditure on Contraceptives and Number of Young Dependents in the Philippines, *The Philippine Statistician*, 63(2): 49-67.
6. Lucagbo, M. (2014). Effects of Household Use of Biomass Fuel on Birth Weight of Babies in the Philippines, *The Philippine Statistician*, 63(1): 75-92.
7. Lucagbo, M., Cobrador, K., de Mesa, N., Ferrera, R., and Marasigan, J. (2013). Effects of Education on Climate Risk Vulnerability in the Philippines: Evidence From Regional Panel Data, *The Philippine Statistician*, 62(2): 53-69.
8. Mapa, D., Lucagbo, M., and Garcia, H. (2012). The Link between Agricultural Output and the States of Poverty in the Philippines: Evidence from Self-Rated Poverty Data, *The Philippine Review of Economics*, XLIX (2): 51-74. [Winner of Best Scientific Poster Award of the National Academy of Science and Technology]

- *Papers Under Review*

9. Albis, M., Mapa, D., and Lucagbo, M. (2015). The Link between Extreme Poverty and Young Dependents in the Philippines: Evidence from Household Surveys, under review in *Social Science Diliman*.
10. Mapa, D., Lucagbo, M., Balisacan, A., Corpuz, R., Ignacio, C. (2015). Is Income Growth Enough to Reduce Total Fertility Rate in the Philippines? Empirical Evidence from Regional Panel Data, under review in *The Philippine Statistician*.

11. Lucagbo, M, and Barrios, E. (2014). Estimation of Isotonic Spatio-temporal Model with Clustering, under review in *Communications in Statistics - Simulation and Computation*.

- *Other Refereed Scholarly Publications*

12. Mapa, D., Albis, M., and Lucagbo, M. (2012). The Link between Extreme Poverty and Young Dependents in the Philippines: Evidence from Household Surveys, *Transactions of the National Academy of Science and Technology (NAST)*, 34(1).

13. Mapa, D., Lucagbo, M., and Garcia, H. (2011). Agricultural Output and the States of Poverty in the Philippines: Evidence from Self-Rated Poverty Data. *Transactions of the National Academy of Science and Technology (NAST)*, Vol. 33, No.1, July 2011.

14. Mapa, D., Lucagbo, M., and Ignacio, C. (2010). Is Income Growth Enough to Reduce Fertility Rate? Empirical Evidence From Regional Panel Data, *Trans. Nat. Acad. Sci. and Tech. (Philippines)*, 32(1).

Other Non-Refereed Published Scholarly Publications

15. Lucagbo, M. (2014). Estimation of Isotonic Spatio-temporal Model with Clustering. Master's Thesis. School of Statistics, University of the Philippines Diliman.

Conferences and Colloquia

- *Oral Presentations*

1. UP School of Statistics Colloquium on the Statistical Sciences. Quezon City, Philippines. 16 October 2015.

2. Philippine Statistical Association, Inc. (PSAI) Annual Conference. Laoag City, Philippines. 2015.

3. 15th Faculty-Student Conference on the Statistical Sciences. Quezon City, Philippines. 2014.

4. UP School of Statistics Colloquium on the Statistical Sciences. Quezon City, Philippines. 2014.

5. 21st International Conference on Computational Statistics. Geneva, Switzerland. 2014.

6. Annual Scientific Conference of the Philippine Population Association. Pampanga, Philippines. 2014.

7. 12th National Convention on Statistics. Mandaluyong City, Philippines. 2013.

8. 2nd Asian Population Association (APA) Conference. Bangkok, Thailand. 2012.

9. Philippine Statistical Association (PSA) Annual Conference. Davao City, Philippines. 2012.

10. UP School of Statistics Colloquium on the Statistical Sciences. Quezon City, Philippines. 2012.

11. 12th Faculty-Student Conference on the Statistical Sciences. Laguna, Philippines. 2011.

12. 11th National Convention on Statistics (NCS). Mandaluyong City, Philippines. 2011.

13. 11th Faculty-Student Conference on the Statistical Sciences. Mandaluyong City, Philippines. 2010.
14. 48th Annual Meeting of the Philippine Economic Society (PES). Manila, Philippines. 2010.
15. UP School of Statistics Colloquium on the Statistical Sciences. Quezon City, Philippines. 2012.
16. Annual Scientific Conference, Philippine Population Association. Manila, Philippines. 2010.
17. 10th Faculty-Student Conference on the Statistical Sciences. Laguna, Philippines. 2009.

- *Poster Presentations*

1. Annual Scientific Conference of the Philippine Population Association. Pampanga, Philippines. 2014.
2. Annual Scientific Meetings (32nd, 33rd, and 34th) of the National Academy of Science and Technology. Manila, Philippines. (2010, 2011, and 2012).

Consulting Work

1. Crime and Intervention Data Analysis. Philippine National Police. September 2014-present
2. Construction of a Socioeconomic Classifications for Philippine Households Based on FIES 2009. Marketing and Opinion Research Society (MORES) and National Statistics Office (NSO). April 2011 – present.
3. Baseline Survey on Child Labor. International Program on the Elimination of Child Labour, International Labor Organization (ILO). December 2010-April 2011.
4. Minimum Wage Fixing. National Wage and Productivity Commission (NWPC). June 2010-February 2011.

Funding History

Funded Projects

1. Statistical Research and Training Center Thesis Fellowship. Title: "Estimation of Isotonic Spatio-temporal Model with Clustering" 2011-2012
2. UP Statistical Center Research Foundation, Inc. Title: "The Link between Extreme Poverty and Young Dependents in the Philippines: Evidence from Household Surveys" 2012

University Service

School of Statistics, University of the Philippines

Research Committee

Socials Committee

Library Committee

Extension Services Committee

Extension Work

- *Government-Recognized Trainings Conducted*

1. Statistical Report Writing for Department of Agriculture Regional Field Office IX. Ariana Hotel, Dipolog City. July 18-22, 2016.
2. Effective Presentation of Statistical Reports. Philippine Statistical Research and Training Institute Regular Training. Quezon City, Philippines. May 23-27, 2016.
3. Effective Presentation of Statistical Reports. Philippine Statistical Research and Training Institute. Quezon City, Philippines. BSI-EWS Project for Region IVA. May 2-6, 2016.
4. Effective Writing and Presentation of Statistical Reports. Philippine Statistical Research and Training Institute. Quezon City, Philippines. November 4-6, 9-13, 2015.
5. Effective Writing and Presentation of Statistical Reports. Philippine Statistical Research and Training Institute. Quezon City, Philippines. July 6-10, 13-15, 2015.
6. Statistical Data Management and Analysis Using MS Excel and Report Writing. Statistical Capacity Building Program for Department of Agriculture. Philippine Statistical Research and Training Institute. Tagaytay City, Philippines. May 13-22, 2015.
7. Basic Statistics and Report Writing for Department of Health. Philippine Statistical Research and Training Institute. Makati City, Philippines. November 25-28, 2014.
8. Regression Analysis. Philippine Statistical Research and Training Institute. Quezon City, Philippines. July 21-25, 2014.
9. Basic Statistics and Report Writing for Department of Agriculture. Philippine Statistical Research and Training Institute. Butuan City, Philippines. June 30-July 4, 2014.
10. Basic Statistics Using MS Excel 2007 for Philippine Postal Corporation (PPC). Philippine Statistical Research and Training Institute. Manila, Philippines. June 16-20, 2014.
11. Seasonal Adjustment and Missing Value Estimation for Department of Agriculture. Philippine Statistical Research and Training Institute. La Union, Philippines. June 9-13, 2014.
12. Decision Making with Data. Philippine Statistical Research and Training Institute. Quezon City, Philippines. May 26-30, 2014.
13. Basic Statistics for Research. Philippine Statistical Research and Training Institute. Quezon City, Philippines. May 5-9, 2014.
14. Basic Statistical Methods. Philippine Statistical Research and Training Institute. Quezon City, Philippines. March 24-27, 2014.

15. Statistical Forecasting and Missing Data Estimation. Statistical Research and Training Center. Quezon City, Philippines. August 12-16, 2013.
16. Statistics for Planning and Decision-Making for National Economic Development Authority. Statistical Research and Training Center. Pasig City, Philippines. July 22-26, 2013.
17. Statistical Report Writing for Department of Trade and Industry. Philippine Statistical Research and Training Institute. Makati City, Philippines. June 3-7, 2013.
18. Advanced Forecasting for Bureau of Agricultural Statistics. Statistical Research and Training Center. Iloilo City, Philippines. May 28-31, 2013.
19. Statistical Forecasting using EViews for Bureau of Agricultural Statistics. Statistical Research and Training Center. Iloilo City, Philippines. March 13-15, 2013.

- *Non-Government-Recognized Trainings Conducted*

1. Applied Statistical Forecasting. University of the Philippines Statistical Center Research Foundation, Inc. Quezon City, Philippines. April 28-29, 2016.
2. Faculty Development Seminar Workshop on Statistical Tools for Research. College of Commerce and Business Administration, University of Santo Tomas. September 12, 19; October 3, 10, 17, 2015.
3. Applied Statistical Forecasting. University of the Philippines Statistical Center Research Foundation, Inc. Quezon City, Philippines. July 23-24, 2015.

Teaching History

Courses Taught at the School of Statistics, University of the Philippines

- Statistics 225, Time Series Analysis
- Statistics 145, Introduction to Time Series Analysis and Forecasting
- Statistics 148, Introduction to Experimental Designs
- Statistics 131, Statistical Inference
- Statistics 122, Probability Theory II
- Statistics 101, Elementary Statistics

Courses Taught at Other Colleges of the University of the Philippines

- Sociology 183, Principles and Methods of Survey Research
- Food Science 118, Statistical Methods in Food Research