

Faith Evangelista Parsons

Curriculum Vitae

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Education & Training

MS Biostatistics – Theory & Methods Track

Columbia University

Expected Completion December 2017

New York, USA

Graduate Foundations Certification

Columbia University

Completed May 2015

New York, USA

BS Statistics

University of the Philippines

Awarded April 2005

Los Banos, Laguna, Philippines

Professional Experience

Data Manager

Center for Behavioral Cardiovascular Health

Columbia University Medical Center

October 2010 – Present

New York, USA

- Oversees the data management needs of public health research studies including randomized clinical trials, and epidemiological studies
- Performs and trains personnel on core data activities including survey design and distribution using Qualtrics, database design and programming in Filemaker Pro, writing SAS codes to for regular data quality checks, data cleaning and generation of data dictionaries
- Manages a team of data coordinators/programmers and effectively distributes tasks to ensure the timely and accurate implementation of core data activities as required by each study protocol
- Developed automated processes in SAS which improved the efficiency of study participant tracking and data collection from multiple sources such as wearable activity monitors, SMS surveys, online surveys and in-house data entry systems
- Collaborates with internal and external investigators, biostatisticians and study coordinators in designing study protocols and manuals of operations
- Liaised with investigators and external collaborators to facilitate and ensure that the data sharing process follows the relevant privacy and government guidelines

Independent Statistical Consultant

January 2013 – Present

New York, USA

- Successfully assisted 7 PhD students into graduation by providing statistical consulting and computing services
- Successfully assisted a consulting firm by modifying and applying SAS codes to generate quality indicator measures and merge 8 large datasets from the Healthcare Cost and Utilization Project (HCUP) from the Agency for Healthcare Research and Quality (AHRQ)

Biostatistician (Research Assistant)

Telethon Institute for Child Health Research

February 2007 – June 2010

Perth, Australia

- Completed statistical analyses of data sets from multiple studies which resulted to co-authorship and acknowledgements in 12 publications
- Maintained quality, consistency and integrity of data sets for statistical analysis
- Advised and assisted faculty, post-docs, research officers, graduate students and external collaborators on statistical analyses, use of statistical packages (SPSS, Stata) and database management (MS Access)
- Created data tables and figures for peer-reviewed publications, conference presentations and reports

Freelance Statistical Consultant

Australian business sole-trader with Australian Business Number (ABN)
August 2006 – June 2010

Perth, Australia

- Provided remote and in-person statistical consulting and computing services to post-graduate students and a small-scale research organization

Biostatistician (Research Assistant)

Curtin University

Perth, Australia

January – December 2006

- Completed data analysis and created graphs and figures from data collected from environmental biology field trials to underpin Australian Research Council (ARC) grant.
- Assisted in the planning and execution of environmental biology field trials, data collection and statistical analyses
- Completed field and safety training for access to post-mined rehabilitation areas in remote Australia
- Assisted with financial accounting for ARC research grant cost center

Research Assistant

La Trobe University

Melbourne, Australia

March – July 2006

- Remotely completed statistical analysis of data from a curriculum-based research which resulted to an acknowledgment in the published manuscript

Associate Planner for Strategic Management Planning Process

UCCP Northeast Southern Tagalog Conference

Los Banos, Laguna, Philippines

November 2004 – May 2005

- Successfully designed survey and created questionnaires for Institutional Policy Review
- Effectively supervised completion of survey data collection
- Completed analysis of survey data and effectively communicated results to the public and co-authored the first volume of the strategic management plan
- Assisted the Administrative Secretary in file organization

Administrative Secretary

UCCP-CAP

Los Banos, Laguna, Philippines

June 2002 – December 2003

- Performed administrative and secretarial duties for the Administrator and Board Members, of which approximately 60% of oral and 100% of written communications were in English
- Organized meetings
- Assisted with general financial transactions, including record keeping and maintenance of the petty cash box
- Effectively compiled and organized documents for easy-access

Skills

- Statistical analysis using SPSS, SAS, STATA, and Minitab
- Database management using FileMaker Pro, MS Access
- Survey design and implementation using Qualtrics, REDCap and SurveyMonkey
- Working knowledge of the following database, programming languages and web development tools: R, Visual Basic, SQL, HTML, HTML5, CSS, WordPress CMS

Publications

Peer-reviewed

1. PM Kannan, MH Parsons, PS Jamwal, PS Chandan, **FE Parsons**, J Takpa. The discovery of the 'transient' male Tibetan wild ass: alternative 'sneaky' mating tactics in a wild equid? *Behaviour*, 2017, 154: 1-18.
2. Davidson, KW, Alcantara C, Diaz K, Yoon S, Krupka DJ, Meli L, **Parsons F**, Schwartz JE, Burg M and Kronish I. Observational N-

of-1 studies of health behaviors: can this advance the science of behavior change? *International journal of behavioral medicine* 2016;23:S138.

3. **Parsons FE**, Diaz KM, and Julian JE. Using SAS® Arrays to Calculate Bouts of Moderate to Vigorous Physical Activity from Minute-by-Minute Fitbit Data. Proceedings of the SAS Global Forum 2016. Available at support.sas.com/resources/papers/proceedings16/9881-2016.pdf
4. **Parsons FE**, Mota SJ, and Quan Y. Managing Qualtrics Survey Distributions and Response Data with SAS. Proceedings of the SAS Global Forum 2015. Available at <http://support.sas.com/resources/papers/proceedings15/3399-2015.pdf>.
5. Lecker CA, Parsons MH, Lecker DR, Sarno RJ, and **Parsons FE**, The temporal multimodal influence of optical and auditory cues on the repellent behavior of ring-billed gulls (*Larus delawarensis*), *Wildlife Research*, 2015, 42, 3, 232.
6. Sumner JA, Kronish IM, Pietrzak RH, Shimbo D, Shaffer JA, **Parsons FE**, and Edmondson D. Dimensional structure and correlates of posttraumatic stress symptoms following suspected acute coronary syndrome. *Journal of Affective Disorders*, 2015 Nov 1; 186:178-85.
7. Davidson KW, Bigger TJ, Burg MM, Carney RM, Chaplin WF, Czajkowski S, Duer-Hefeje J, Frasure-Smith N, Freedland KE, Haas DC, Jaffe AS, Ladapo J, Lesperance F, Medina V, Newman JD, Osorio GA, **Parsons F**, Schwartz JE, Shaffer JA, Shapiro PA, Sheps DS, Vaccarino V, Whang W, Ye S. Centralized, Stepped, Patient Preference-Based Treatment for Patients With Post-Acute Coronary Syndrome Depression: CODIACS Vanguard Randomized Controlled Trial. *JAMA Internal Medicine* 2013 Mar 7:1-8.
8. Whang W, Burg MM, Carney RM, Freedland KE, Bigger JT, Catellier D, Czajkowski S, Frasure-Smith N, Haas DC, Jaffe AS, Lesperance F, Medina V, Duer-Hefeje J, Osorio GA, **Parsons F**, Shapiro PA, Sheps DS, Vaccarino V, Davidson KW. Design and baseline data from the vanguard of the Comparison of Depression Interventions after Acute Coronary Syndrome (CODIACS) randomized controlled trial. *Contemporary Clinical Trials* 2012 Sep;33(5):1003-10.
9. Hollams EM, Hart PH, Holt BJ, Serralha M, **Parsons F**, de Klerk NH, Zhang G, Sly PD, & Holt PG. Vitamin D and atopy and asthma phenotypes in children: a longitudinal cohort study. *European Respiratory Journal*. 2011 Dec;38(6):1320-7.
10. Ranganathan SC, **Parsons F**, Gangell C, Brennan S, Stick SM, Sly PD, & Australian Respiratory Early Surveillance Team for Cystic Fibrosis. Evolution of pulmonary inflammation and nutritional status in infants and young children with cystic fibrosis. *Thorax* 2011 May;66(5):408-13.
11. Hall GL, Logie KM, **Parsons F**, Schulzke SM, Nolan G, Murray C, Ranganathan S, Robinson P, Sly PD, Stick SM; AREST CF, Berry L, Garratt L, Massie J, Mott L, Poreddy S, & Simpson S. Air trapping on chest CT is associated with worse ventilation distribution in infants with cystic fibrosis diagnosed following newborn screening. *PLoS One* 2011;6(8):e23932.
12. Collins RA, **Parsons F**, Deverell M, Hollams EM, Holt PG, Sly PD. Risk factors for bronchial hyperresponsiveness in teenagers differ with sex and atopic status. *Journal of Allergy and Clinical Immunology* 2011 Aug;128(2):301-307.e1.
13. Thomson E., Brennan S, Senthilmohan R, Gangell CL, Chapman AL, Sly PD, Kettle AJ; Australian Respiratory Early Surveillance Team for Cystic Fibrosis (AREST CF), Balding E, Berry LJ, Carlin JB, Carzino R, de Klerk N, Douglas T, Foo C, Garratt LW, Hall GL, Harrison J, Kicic A, Laing IA, Logie KM, Massie J, Mott LS, Murray C, **Parsons F**, Pillarisetti N, Poreddy SR, Ranganathan SC, Robertson CF, Robins-Browne R, Robinson PJ, Skoric B, Stick SM, Sutanto EN, & Williamson E. Identifying peroxidases and their oxidants in the early pathology of cystic fibrosis. *Free Radical Biology and Medicine* 2010 Nov 15;49(9):1354-60.
14. Holt, PG, Rowe J, Kusel M, **Parsons F**, Hollams EM, Bosco A, McKenna K, Subrata L, de Klerk N, Serralha M, Holt BJ, Zhang G, Loh R, Ahlstedt S, & Sly PD. Toward improved prediction of risk for atopy and asthma among preschoolers: a prospective cohort study. *Journal of Allergy and Clinical Immunology* 2010, 125(3):653-59.
15. Hollams EM, Hales B, Bachert C, Huvenne W, **Parsons F**, de Klerk N, Serralha M, Holt B, Ahlstedt S, Thomas W, Sly P, & Holt PG. Th2-associated immunity to bacteria in teenagers and susceptibility to asthma. *European Respiratory Journal* 2010 Sep;36(3):509-16.
16. Hollams EM, Deverell M, Serralha M, Suriyaarachchi D, **Parsons F**, Zhang G, de Klerk N, Holt BJ, Ladyman C, Sadowska A, Rowe J, Loh R, Sly PD, Holt PG. Elucidation of asthma phenotypes in atopic teenagers through parallel immunophenotypic and clinical profiling. *Journal of Allergy and Clinical Immunology* 2009, 124(3): 463-70.

Conference Presentations

Yoon S, Schwartz JE, Burg MM, Kronish IM, Alcantara C, Julian JE, **Parsons F**, Davidson KW, and Diaz KM. *Can individualized behavioral analytics increase physical activity? The effect of revealing personalized predictors of exercise on physical activity: N-of-1 study and visualization*. Primary presenter. Poster presentation at Data Science 2017 at Columbia University. New York, NY.

Parsons FE, Diaz KM, and Julian JE. *Using SAS® Arrays to Calculate Bouts of Moderate to Vigorous Physical Activity from Minute-by-Minute Fitbit Data*. Primary presenter. Oral presentation at the SAS® Global Forum 2016, Las Vegas, NV.

Parsons FE, Mota S, & Quan Y. (2015, April) *Managing Qualtrics Survey Distributions and Response Data with SAS®*. Primary presenter. Poster presentation at the SAS® Global Forum 2015, Dallas, TX.

Evangelista, F.T., & Lansigan F.P. (2007, October). *Determining Risk Efficient Tree-Crop Planting Strategies Using Stochastic Dominance Analysis*. Primary presenter. Oral presentation at the 10th National Convention on Statistics, Mandaluyong City, Philippines.

Evangelista, F.T., & Lansigan F.P. (2004, October). *Determining Risk Efficient Tree-Crop Planting Strategies Using Stochastic Dominance Analysis*. Primary presenter. Oral and poster presentations at the Philippine Convention and Annual Meeting of International Society for Southeast Asian Agricultural Sciences, Quezon City, Philippines.