

# CURRICULUM VITAE

## PERSONAL INFORMATION

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## Education

2001	Ph.D.	Biostatistics	University of Maryland, College Park, Maryland.
1991	M.S.	Statistics	Institute of Applied Mathematics, Chinese Academy of Science, Beijing, China
1984	B.S.	Mathematics	Jiangxi Normal University, Nanchang, China.

## Employment History

2012-present	Associate Professor	Department of Biostatistics and Data Science, College of Public Health, Tampa, Florida.
2003-2011	Assistant professor	Department of Epidemiology & Biostatistics, College of Public Health, Florida, Tampa, Florida
2005-2010	Core Director	Biostatistics and Data Management Core, Florida Alzheimer's Disease Research Center, University of South Florida, Tampa, Florida
02/2000-08/2000	Pre-Doctorial Research Fellow	Pre-Doctorial Research Fellow, Epidemiology, Statistics and Data System Branch, National Institute on Deafness and Other Communication Disorders, NIH
06/1998-09/1998	Biostatistician	C. L. McIntosh & Associates Inc, 12300 Twin brook Parkway Rockville, MD
1997-1998	Research Assistant	Department of Mathematics, University of Maryland, College Park, MD
1991-1995	Research Associate	Institute of Applied Mathematics, Academy of Chinese Science, Beijing China

## Publications

### Statistical Methodology Papers

1. Meng Wang, **Yougui Wu** (2026). Optimal Weight Estimators for Comparing Two Correlated Predictive Values with Incomplete Data. *Statistics in Medicine*. Submitted.
2. **Yougui Wu**, Jay Wu (2026). Analyze paired case-control data prospectively in comparing two predictive values. *Journal of Biopharmaceutical Statistics*. Under second revision.
3. **Yougui Wu** (2025). Optimal two-phase sampling for comparing correlated areas under the ROC curves of two screening tests in the presence of verification bias. *Journal of Biopharmaceutical Statistics*, 35, 624–640.
4. **Wu Y** (2024). Sample size calculation for comparing two screening tests when the gold standard is missing at random. *Statistics in Medicine*, 43, 2944–2956.
5. **Yougui Wu** (2024). Simple methods for comparing two predictive values with incomplete data. *Journal of Biopharmaceutical Statistics*, 34(2), 260-275.
6. **Yougui Wu** (2023). Joint comparison of the predictive values of multiple binary diagnostic tests: an extension of McNemar's test. *Journal of Biopharmaceutical Statistics*, 33(1), 31-42
7. **Wu Y** (2022). Weighted generalized score test for comparing predictive values in the presence of verification bias. *Statistics in Medicine*. 41(24), 4838-4859.
8. **Wu Y** (2022). Weighted McNemar's test for the comparison of two screening tests in the presence of verification bias. *Statistics in Medicine*, 41(16), 3149-3163.
9. **Wu Y** (2022). Assess predictive values of a binary diagnostic test under a nested case-control design. *Journal of Biopharmaceutical Statistics*, 32(2), 219-229.
10. **Wu Y** (2022). Nonparametric inference of the area under ROC curve under two-phase cluster sampling. *Journal of Biopharmaceutical Statistics*, 32(2), 346-355.
11. **Wu Y** (2022). A revisit to Bennett's goodness-of-fit statistics for comparing two predictive values. *Communication in Statistics-Theory and Methods*, 51(10), 3419-3433.
12. **Wu Y** (2021). Comparison of diagnostic likelihood ratios of two binary tests with case-control clustered data. *Communication in Statistics-Theory and Methods*, 51(11), 3836-3846.
13. **Wu Y** (2021). Simple confidence interval and region formulas for comparing diagnostic likelihood ratios under a paired design. *Biometrical Journal*, 63(5), 1086-1095.

14. **Wu Y** (2021). Optimal two-phase sampling for estimating the area under the receiver operating characteristic curve. *Statistics in Medicine*, 40, 1059-1071.
15. **Wu Y** (2021). A robust adjustment to McNemar's test when the data are clustered. *Communication in Statistics-Theory and Methods*, 50(6), 1515-1529.
16. **Wu Y** (2020). True verification probabilities should not be used in estimating the area under receiver operating characteristic curve. *Statistics in Medicine*, 39(27), 3937-3946.
17. **Wu Y** (2020). Optimal nonparametric estimator of the area under ROC curve based on clustered data. *Communication in Statistics-Theory and Methods*, 49(6), 1446-1461.
18. **Wu Y** (2018). Power Calculation of adjusted McNemar's test based on clustered data of varying cluster size. *Biometrical Journal*, 60(6), 1190-1200.
19. **Wu Y** (2015). Optimal Weights in Nonparametric Analysis of Clustered ROC Curve Data. *Journal of Applied Mathematics and Physics*, 3, 828-833.
20. **Wu Y**, Zhu Y (2012). Analysis of Family Data Collected under General Proband Sampling Scheme. *Statistics in Biopharmaceutical Research*, 4(1), 66-75.
21. **Wu Y**, Xiaofei Wang (2011). Optimal Weight in Estimating the Receiver Operating Characteristic Curve Area Using Longitudinal Data. *Biometrical Journal*, 53(5), 764-778.
22. Wang X, **Wu Y**, Zhou H (2009). Outcome and Auxiliary-Dependent Subsampling and Statistical Inference for Cancer Biomarker Studies. *Journal of Biopharmaceutical Statistics*, 19, 1132-1150.
23. **Wu Y**, Zhu Y, Wang W (2009). Impact of Inspection Error on the Average Run Length of CUSUM Charts. *Communication in Statistics-Simulation and Computation*, 38(7), 1435 -1445.
24. **Wu Y**, Wenyan X, Jinguan D, Yuan L (1998). The stationarity and spectral representation of one class of non-negative integer-valued time series. *Acta Mathematicae Applicatae Sinica*, 16(3), 185-192.
25. **Wu Y**, Wenyan X, Jinguan D, Yuan L (1998). The strong law of large number and parameter estimation of one class of non-negative integer-valued time series. *Acta Mathematicae Applicatae Sinica*, 14(3), 225-233.

26. Cheng X, **Wu Y**, Du J, Liu H (1997). The zero-crossing rate of pth order autoregressive processes. *Journal of Time Series Analysis*, 18(4), 355-374.
27. Xu W, Du J, **Wu Y** (1992). Estimation of Parameters in One Class of Nonnegative Linear Process. *J. Sys. Sci. & Math. Scis*, 12(3), 240-249.
28. Zu W, Du J, **Wu Y** (1995). Decomposition and Composition of ARIMA Series. *Acta Mathematicae Applicatae Sinica*, 18(1), 16-26.(in Chinese).
29. Li Y, Du J, **Wu Y** (1994). A Type of Seasonal Integer-Valued Autogressive Model-SINAR(1). *Acta Mathematicae Applicatae Sinica*, 17(1), 100-108 (in Chinese).
30. Dai J, Xu W, Du J, **Wu Y** (1993). Estimation of Parameters in AR(p) Models with Non-negative i.i.d. Innovation. *Acta Mathematicae Applicatae Sinica*, 16(4), 506-516.(in Chinese)

### **Applied papers**

1. Garzon-Villalba X P, **Wu Y**, Ashley, CD, Bernard, TE (2018). Heat stress risk profiles for three non-woven coveralls. *Journal of Occupational and Environmental Hygiene*, 15 (1), 80-85.
2. Bubu OM, Brannick M, Mortimer J, Umasabor-Bubu O, Sebastiao YV, Wen Y, Schwartz S, Borenstein AR, **Wu Y**, Morgan D, Anderson WM (2017). Sleep, Cognitive impairment, and Alzheimer's disease: A Systematic Review and Meta-Analysis. *Sleep*, 40(1), 1-18.
3. Garzon-Villalba, XP, **Wu Y**, Ashley CD, Bernard TE (2017). Ability to Discriminate Between Sustainable and Unsustainable Heat Stress Exposures-Part 1: WBGT Exposure Limits. *Annals of Work Exposures and Health*, 61 (6), 611-620.
4. Garzon-Villalba X P, **Wu Y**, Ashley, CD, Bernard, TE (2017). Ability to Discriminate Between Sustainable and Unsustainable Heat Stress Exposures-Part 2 Physiological Indicators. *Annals of Work Exposures and Health*, 61 (6), 621-632.
5. Alman AC, Smith SR, Eckel RH, Hokanson JE, Burkhardt BR, Sudini PR, **Wu Y**, Schauer IE, Pereira RI, Snell-Bergeon JK (2017). The ratio of pericardial to subcutaneous adipose tissues is associated with insulin resistance. *Obesity*, 25(7), 1284-1291.
6. Garzon-Villalba XP, Mbah, A., **Wu Y**, Hiles M, Moore H, Schwartz SW, Bernard TE (2016). Exertional heat illness and acute injury related to ambient wet bulb globe temperature. *American Journal of Industrial Medicine*, 59(12), 1169-1176.

7. Borenstein AR, **Wu Y**, Bowen JD, McCormick WM, Uomoto J, McCurry SM, Schellenberg G, Larson EB (2014). Incidence Rates of Dementia, Alzheimer's disease and Vascular Dementia in the Japanese American Population in Seattle, WA: The Kame Project. *Alzheimer Disease & Associated Disorders*, 28(1) 23-29.
8. Mortimer JA, Ding D, Borenstein AR, DeCarli,C, Guo Q, **Wu Y**, Zhao Q, and Chub S (2012). Changes in Brain Volume and Cognition in a Randomized Trial of Exercise and Social Interaction in a Community-Based Sample of Non-Demented Chinese Elders. *J Alzheimer's Dis*, 30(4):757-66.
9. Duara R, Loewenstein D, Greig MT, Potter E, Barker W, Raj A, Schinka J, Borenstein A, Schoenberg M, **Wu Y**, Banko J, Potter H (2012). Pre-MCI and MCI: Neuropsychological, Clinical, and Imaging Features and Progression Rates. *Am J Geriatr Psychiatry*, 19(11):951-60.
10. Guglin M, Win CM, Darbinyan N, **Wu Y** (2012). Predictors of right ventricular systolic dysfunction in compensated and decompensated heart failure. *Congest Heart Fail*, 18(5), 278-83.
11. Cao C, Loewenstein DA, Lin X, Zhang C, Wang L, Duara R, Wu Y, Giannini A, Bai G, Cai J, Greig M, Schofield E, Ashok R, Small B, Potter H, Arendash GW (2012). High Blood caffeine levels in MCI linked to lack of progression to dementia. *J Alzheimer's Dis*,30(3), 559-72.
12. Lu B, Viscidi RP, **Wu Y**, Lee JH, Nyitray AG, Villa LL,Lazcano-Ponce E, Carvalho da Silva RJ,Baggio ML, Quiterio M, Salmeron J, Smith DC, Abrahamsen ME, Papenfuss MR, Stockwell HG, Giuliano AR (2012).Prevalent serum antibody is not a marker of immune protection against acquisition of oncogenic HPV16 in men. *Cancer Res*, 72(3), 676-85.
13. Anic GM, Lee JH, Villa LL, Lazcano-Ponce E, Gage C, Jose C Silva R, Baggio ML, Quiterio M, Salmeron J, Papenfuss MR, Abrahamsen M, Stockwell H, Rollison DE, **Wu Y**, Giuliano AR (2012). Risk factors for incident condyloma in a multinational cohort of men: the HIM study. *J Infect Dis*, 205(5),789-93.
14. Lu B, Viscidi RP, **Wu Y**, Nyitray AG, Villa LL, Lazcano-Ponce E, Carvalho da Silva RJ,Baggio ML, Quiterio M, Salmeron J, Smith DC, Abrahamsen M, Papenfuss M, Giuliano AR (2012). Seroprevalence of Human Papilloma Virus (HPV) Type 6 and 16 Vary by Anatomic Site of HPV Infection in Men. *Cancer Epidemiol Biomarkers Prev*, 21(9),1542-6.
15. Lu B, Viscidi RP, Lee JH, **Wu Y**, Villa LL, Lazcano-Ponce E, da Silva RJ, Baggio ML, Quiterio M, Salmeron J, Smith DC, Abrahamsen M, Papenfuss M, Stockwell HG,Giuliano AR (2011). Human Papillomavirus (HPV) 6, 11, 16 and 18 Seroprevalence is Associated with Age and Sexual Practice: Results from the Multi-National HPV Infection in Men Study(HIM Study). *Cancer Epidemiol Biomarkers Prev*, 20(5), 990-1002.

16. Shen Q, Loewenstein D, Potter E, Zhao W, Appel J, Greig MT, Raj A, Acevedo A, Schofield E, Barker W, **Wu Y**, Potter H, Duara R (2011). Volumetric and visual rating of magnetic resonance imaging scans in the diagnosis of amnesic mild cognitive impairment and Alzheimer's disease. *Alzheimer's Dement*, 7(4), 101-108.
17. Ranjan Duara, David A. Loewenstein, Maria T. Greig, Elizabeth Potter, Warren Barker, Ashok Raj, John Schinka, Amy Borenstein, Michael Schoenberg, **Wu Y**, Jessica Banko, and Huntington Potter (2011). Pre-MCI and MCI: Neuropsychological, Clinical, and Imaging Features and Progression Rates. *Journal of Geriatric Psychiatry*, 19(11), 951-960.
18. Duara R, Loewenstein D, Greig M, Acevedo A, Appel J., Raj A., Barker, W W, Potter E, Schoefield E, Small B, Schinka J, **Wu Y**, Potter H (2010). Diagnosis and Staging of Mild Cognitive Impairment, using a modification of the Clinical Dementia Rating Scale: the mCDR. *International Journal of Geriatric Psychiatry*, 25, 282-9.
19. Duara R, Loewenstein D, Greig M, Acevedo A, Potter E, Appel J, Raj A, Schinka J, Schofield E, Barker W, **Wu Y**, Potter H (2010). Reliability and validity of an algorithm for the diagnosis of normal cognition, mild cognitive impairment, and dementia: implications for multicenter research studies. *Am J Geriatr Psychiatry*, 18(4), 363-70.
20. Mortimer JA, Borenstein AR, Ding D, DeCarli C, Zhao Q, Copenhaver C, Guo Q, Chu S, Galasko D, Salmon D, Dai Q, **Wu Y**, Petersen R, Hong Z (2010). High normal fasting blood glucose is associated with diagnosis of dementia in Chinese elders. *Alzheimer's and Dementia*, 6(6), 440-7.
21. He J, Losif AM, Lee DY, Martinez O, Ding D, Carmichael O, Mortimer JA, Zhao QH, Chu S, Guo Q, Galasko D, Salmon D, Dai Q, **Wu Y**, Petersen R, Hong Z, Borenstein AB, DeCarli C (2010). Brain structure and cerebrovascular risk in cognitively impaired patients: Shanghai Community Brain Health Initiative-pilot phase. *Arch Neurol*, 67(10), 1231-1237.
22. Borenstein AR, Mortimer JA, Ding D, Schellenberg GD, DeCarli C, Zhao QH, Copenhaver C, Guo Q, Chu S, Galasko D, Salmon D, Dai Q, **Wu Y**, Petersen R, Hong Z (2010). Effects of Apolipoprotein E-4 and E-2 in amnesic Mild Cognitive Impairment and dementia in Shanghai, China: SCOBHI-P. *Am J Alzheimer Dis Other Dement*, 25(3), 233-238.
23. Lu B, Hagensee ME, Lee JH, **Wu Y**, Stockwell HG, Nielson CM, Abrahamsen M, Papenfuss M, Harris RB, Giuliano AR (2010). Epidemiologic Factors Associated with Seropositivity to Human Papillomavirus Type 16 and 18 Virus-Like Particles (VLPs) and Risk of Subsequent Infection in Men. *Cancer Epidemiol Biomarkers Prev*, 19, 511-516.

24. Mitnitski A, Fallah N, **Wu Y**, Rockwood K, Borenstein AR (2010). Changes in cognition over eight years in elderly Japanese Americans: The Kame Project. *Annals of Epidemiology*, 20, 480-486.
25. Xu P, **Wu Y**, Zhu Y, Dagne G, Johnson G, Cuthbertson D, Krischer JP, Sosenko JM, Skyler JS (2010). Prognostic performance of metabolic indexes in predicting onset of type 1 diabetes. *Diabetes Care*, 33(12),2508-13.
26. Loewenstein DA, Acevedo A, Potter E, Schinka JA, Raj A, Greig MT, Agron J, Barker WW, **Wu Y**, Small B, Schofield E, Duara R (2009). Severity of medial temporal atrophy and amnesic mild cognitive impairment: selecting type and number of memory tests. *Am J Geriatr Psychiatry*, 17(12),1050-1058.
27. Appel J, Bhatia N, Shen Q, Potter E, Barker WW, **Wu Y**, Schofield E, Greig M, Loewenstein D and Duara R. Association of white matter hyperintensities on brain MRI to vascular and neurodegenerative risk factors. *American Journal of Neuroradiology* 2009; 30,1870-1876.
28. Hughes TF, Borenstein AR, Schofield E, **Wu Y**, Larson E (2009). The association between late-life body mass index and dementia: The Kame Project. *Neurology*, 72, 1741-1746.
29. Lu B, **Wu Y**, Carrie MN, Roberto F, Martha A, Mary P, Robin BH, Anna RG (2009). Factors Associated with Acquisition and Clearance of Human Papillomavirus Infection among a Cohort of U.S. Men: A Prospective Pilot Study. *The Journal of Infectious Diseases*,199, 362-371.
30. Duara R, Loewenstein D, Potter E, Appel J, Grieg M, Urs R, Shen Q, Raj A, Small B, Barker WW, Schofield E, **Wu Y**, Potter H (2008). Medial Temporal Lobe Atrophy on MRI Scans and the Diagnosis of Alzheimer's Disease. *Neurology*,71, 1986-1992.
31. Borenstein AR, Mortimer JA, Dahlquist E, **Wu Y**, Salmon D, Gamst A, Olichney, J, Thal LJ, Silbert L, Kaye J, Adonay R, Craig UK, Schellenberg GD, Galasko D (2007). Cycad seed exposure and risk of Dementia, MCI and ALS/PDS in the Chamorro population of Guam. *Neurology*,68(21), 1764-1771.
32. Borenstein AR., Mortimer JA, **Wu Y**, Jureidini-Webb FM, Fallin MD, Small BJ, Mullan M, Crawford FC (2006). Apolipoprotein E and cognition in population-based samples of African Americans and Whites. *Ethnicity and Disease*, 16, 9-15.
33. Qi D, Borenstein, AR, **Wu Y**, James, JC, and Larson EB (2006). Fruit and vegetable juices and Alzheimer's disease: The Kame Project. *American Journal of Medicine* , 119(9), 751-759.
34. Borenstein AR, **Wu Y**, Mortimer JA, Schellenberg GD, McCormick WC, Bowen JD, McCurry S, Larson EB (2005). Developmental and vascular risk factors for Alzheimer's disease. *Neurobiology of Aging*,26(3), 325-334.

35. Zhu Y, Wang W, Atrubin D, **Wu Y**(2005). Initial Evaluation of the Early Aberration Reporting System-Florida. *MMWR*, 54,123-130.

## SCIENTIFIC AND INVITED PRESENTATIONS

1. Wu Y. Nonparametric Analysis of Clustered ROC Curve Data: Optimal Estimation. Joint Statistical Meeting, July 30-August 4, 2011.
2. Borenstein AR, Mortimer JA, Wu Y, Larson EB. Duration of CDR 0.5 is not longer in men but risk of incident CDR 0.5 is: The Kame Project. Annual meeting of the American Academy of Neurology, Honolulu, HI, April 11-15, 2011.
3. Duara R, Loewenstein D, Greig-Custo MT, Potter E, Raj BA, Schinka J, Borenstein A, Saxena S, Schoenberg M, Barker W, Wu Y, Banko J, Potter H. Pre-MCI: Neuropsychological, clinical and imaging features, and progression rates. International Conference on Alzheimer's Disease (ICAD), Alzheimer's Association, Honolulu, HI, July 10-15, 2010.
4. Mortimer JA, Ding D, Guo Q, Wu Y, Zhao Q, Copenhaver C, Borenstein A. A 40-week, population-based trial comparing fast walking, T'ai Chi and social engagement to no-intervention in sedentary non-demented Chinese elders. International Conference on Alzheimer's Disease (ICAD), Alzheimer's Association, Honolulu, HI, July 10-15, 2010.
5. Wu Y, Xiaofei Wang. Optimal Weight in Estimating the Receiver Operating Characteristic Curve Area Using Longitudinal Data. Joint Statistical Meeting, July 29-August 5, 2010.
6. Duara R, Loewenstein DA, Greig-Custo MT, Potter E, Raj BA, Schinka J, Borenstein A, Saxena S, Schoenberg M, Barker W, Wu Y, Banko J, Potter H. PreMCI and MCI: Comparative neuropsychological, clinical and imaging features and progression rates. Annual meeting of the American Academy of Neurology, April 2010.
7. Mitnitski AB, Fallah N, Wu Y, Rockwood K, Borenstein AR. Changes in cognition over eight years in elderly Japanese Americans: A multistate transition modeling approach. Presented at the International Conference on Alzheimer's Disease, July 11-16, 2009, Vienna, Austria.
8. DeCarli C, Borenstein A., He, J, Ding D, Dong Young L, Martinez O, Carmichael O, Mortimer JA, Zhao Q, Guo Q, Galasko D, Salmon D, Dai Q, Wu Y, Petersen R, Hong Z. Differences in MRI measures of brain volume, white matter hyperintensities and infarcts in Chinese: The Shanghai Community Brain Health Initiative (SCOBHI). Presented at the International Conference on Alzheimer's Disease, July 11-16, 2009, Vienna, Austria.
9. Borenstein AR, Ding D, Mortimer JA, Schellenberg GD, DeCarli C, Zhao Q, Copenhaver C, Guo Q, Galasko D, Salmon D, Dai Q, Wu Y, Petersen R, Hong Z. Shanghai Community Brain Health Initiative

(SCOBHI) – pilot study. APOE findings. Presented at the International Conference on Alzheimer's Disease, July 11-16, 2009, Vienna, Austria.

10. Mortimer J, Borenstein A, Ding D, Copenhaver C, Wu Y, Galasko D, Salmon D, Zhao Q, Guo Q, DeCarli C, Dai Q, Petersen R, Hong Z. Higher blood glucose is associated with dementia among Chinese elderly independent of vascular risk factors and white matter hyperintensity volume: findings from SCOBHI. Presented at the International Conference on Alzheimer's Disease, July 11-16, 2009, Vienna, Austria.
11. Borenstein AR, Mortimer JA, Ding D, Copenhaver C, Wu Y, Galasko D, Salmon D, Zhao Q, Guo Q, DeCarli C, Dai Q, Launer L, Petersen R, Hong Z. Shanghai Community Brain Health Initiative (SCOBHI): a pilot study. 1. Methods and Participation Rates. Presented at the International Conference on Alzheimer's Disease, July 11-16, 2009, Vienna, Austria.
12. Ding D, Zhao Q, Mortimer JA, Copenhaver CI, Wu Y, Galasko D, Salmon D, Guo Q, DeCarli C, Dai Q, Petersen R, Hong Z, Borenstein AR. Assessing quality of life by EQ-5D among Chinese elderly with cognitive function impairment: Findings from SCOBHI pilot. Presented at the International Conference on Alzheimer's Disease, July 11-16, 2009, Vienna, Austria.
13. Zhao Q, Ding D, Guo Q, Mortimer JA, Copenhaver CI, Salmon D, Galasko D, DeCarli C, Dai Q, Petersen R, Wu Y, Hong Z, Borenstein AR. Shanghai Community Brain Health Initiative – pilot study. neuropsychological results. Presented at the International Conference on Alzheimer's Disease, July 11-16, 2009, Vienna, Austria.
14. Borenstein AR, Mortimer JA, Wu Y, Schofield E, Loewenstein D, Potter E, Appel J, Raj A, Greig MT, Duara R. Prediction of medial temporal atrophy scores in cognitively normal subjects in the Florida ADRC. Presented at the 61st Annual meeting of the American Academy of Neurology, Seattle, WA, April 25-May 2, 2009.
15. Mortimer JA, Borenstein AR, Loewenstein D, Potter E, Appel J, Greig MT, Wu Y, Raj A, Schofield E, Duara, R. Roles of education and medial temporal atrophy in the diagnosis of amnesic MCI and mild dementia. Presented at the 61st Annual meeting of the American Academy of Neurology, Seattle, WA, April 25-May 2, 2009.
16. Borenstein AR, Schofield E, Wu Y, Schellenberg GD, Bowen J, McCormick W, Larson EB. Transitioning forward to CDR 0.5 and 1+ versus backward from CDR 0.5 to 0: Are the Risk Factors the Same? The Kame Project. International Conference on Alzheimer's Disease, Chicago, IL, July 26-31, 2008.
17. Wu Y, Yiliang Zhu, Wei Wang. Impact of Inspection Error on the Average Run Length of CUSUM Charts. Joint Statistical Meeting, Vancouver, Canada, July 31-August 7, 2008.
18. Wu Y, Yiliang Zhu. Analysis of Family Data Collected under General Proband Sampling Scheme. The 18th International Chinese Statistics Association Applied Statistics Symposium, Piscataway, NJ. June 21-24, 2008.

19. Borenstein AR, Mortimer JA, Dahlquist E, Wu Y, Larson EB, Teng E. Education, reaction time and the National Adult Reading Test as predictors of incident dementia: The Kame Project. Platform presentation at the Second International Meeting on the Prevention of Dementia, Washington D.C., June 9-12, 2007. Co-chaired session "Primary Prevention and Risk 3".
20. Borenstein AR, Mortimer JA, Dahlquist E, Wu Y, Salmon DP, Gamst A, Olichney J, Thal L, Silbert L, Kaye J, Craig UK, Schellenberg G, Galasko D. Cycad seed exposure and risk of Dementia, MCI and ALS/PDC in the Chamorro population of Guam. Platform presentation at the 59th Annual Meeting of the American Academy of Neurology, Boston, MA, April 28-May 5, 2007.
21. Borenstein AR, Dai Q, Wu Y, Jackson JC, Larson EB. "Consumption Of Fruit And Vegetable Juices Predicts A Reduced Risk Of Alzheimer's Disease: The Kame Project." Alzheimer's Association International Conference on Prevention of Dementia, Washington D.C., June 18-21, 2005. Selected for press release.
22. Borenstein AR, Mortimer JA, Wu Y, Larson EB. "Subjective memory decline predict dementia in a population-based study: the Kame Project." 57th Annual Meeting of the American Academy of Neurology, Miami, FL, April 9-16, 2005.
23. Borenstein AR, Wu Y, Bowen JD, McCormick WC, McCurry SM, Larson EB. "Incidence rates and risk factors for transitioning from CDR 0 to 0.5 and CDR 0.5 to 1 or higher". 9th International Conference on Alzheimer's Disease and Related Disorders. Philadelphia, PA, July 17-24, 2004.
24. Wu Y, Graves A, Mortimer J, Larson E. "Discrete survival analysis incorporating both two-phase sampling and annual-biennial track designs". Joint Statistical Meetings 2003, San Francisco, CA, August 7, 2003.
25. Borenstein Graves A, Wu Y, Larson EB. "Effect of censoring due to deaths on the association between Apolipoprotein E-4 and dementia: The Kame Project 1992-2002". 36th Annual Meeting of the Society of Epidemiologic Research, Atlanta, Georgia, June 11-14, 2003.
26. Invited. Borenstein Graves A, Wu Y. "Incidence rates and selected risk factors for transitioning from CDR 0 to 0.5 and CDR 0.5 to 1+". Mild Cognitive Impairment Symposium. The Wien Center for Alzheimer's Disease, Mount Sinai Medical Center, Miami Beach, FL, April 10-12, 2003.
27. Borenstein Graves A, Wu Y. "Issues in the design, conduct and analysis of a longitudinal study: The Kame Project". Prevention Science Methodology Group (PSMG), University of South Florida, February 2003.
28. Wu Y, Graves A, Mortimer J, Larson E. "Discrete survival analysis incorporating both two-phase sampling and annual-biennial track designs". Joint Statistical Meetings 2003, San Francisco, CA, August 7, 2003.
29. Graves A, Borenstein, Wu Y, McCormick W, Bowen JD, McCurry S, Larson EB. "Incidence rates of dementia, Alzheimer's disease and vascular dementia in the Kame Project: Roles of age, gender, education and Apolipoprotein E". 8th International Conference on Alzheimer's Disease and Related Disorders, Stockholm, Sweden, July 20-25, 2002.

30. Graves A, Borenstein, Wu Y. "Olfactory deficits as a marker for Alzheimer's disease: Data from the Kame Project." Annual meeting of the Southern Gerontological Society , Orlando, Florida, May 22-26, 2002.
31. Wu Y, Graves A, Borenstein, Mortimer JA, Larson EB. "Joint probability modeling of dementia subtypes". Statistical Methodology in Alzheimer's Disease Research II conference, May 10-12, 2002, Lexington, KY.
32. Graves A, Borenstein, Mortimer JA, Wu Y, Small BJ, McEvoy C, Crawford FC, Mullan M. "Relation of Apolipoprotein E-4 with cognitive performance in population-based samples of Caucasian and African American elders". 54th Annual Meeting of the American Academy of Neurology, April 13-20, 2002, Denver, CO.

## **PUBLISHED ABSTRACTS**

1. Copenhaver C, Wu Y, Mortimer JA. Quantifying the predictive value of idea density for dementia and neuropathological outcomes using ROC curves. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 2011, 6(4) : S451-S452.
2. Borenstein AR, Mortimer JA, Wu Y, Larson EB. Apolipoprotein E-e4, head circumference and diabetes, but not sex, predict duration of CDR 0.5: The Kame Project. *Neurology* 2011; 76 (Suppl 4): A121.
3. Maria T. Greig-Custo, David Loewenstein, Elizabeth Potter, Warren Barker, John Schinka, Balaibal Ashok Raj, Wu Y, Daniel Varon, Huntington Potter, Ranjan Duara. Culturally fair episodic memory measures in different ethnic groups. *Alzheimer's & dementia : the journal of the Alzheimer's Association* ,2010 ,6(4): S9.
4. Duara R, Loewenstein D, Greig-Custo MT, Potter E, Raj BA, Schinka J, Borenstein A, Saxena S, Schoenberg M, Barker W, Wu Y, Banko J, Potter H. Pre-MCI: Neuropsychological, clinical and imaging features, and progression rates. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association* 2010,6(4)(Suppl 1): S80.
5. Maria T. Greig-Custo, David Loewenstein, Elizabeth Potter, Warren Barker, John Schinka, Balaibal Ashok Raj, Wu Y, Daniel Varon, Potter Huntington, Ranjan Duara. Culturally fair episodic memory measures in different ethnic groups. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 2010,6(4) : S448.
6. Duara R, Loewenstein DA, Greig-Custo MT, Potter E, Raj BA, Schinka J, Borenstein A, Saxena S, Schoenberg M, Barker W, Wu Y, Banko J, Potter H. Pre-MCI and MCI: Comparative neuropsychological, clinical and imaging features and progression rates. *Neurology* 2010;74 (Suppl2): A135.
7. James A. Mortimer, Amy R. Borenstein, Ding Ding, Charles DeCarli, Qianhua Zhao, Cathleen Copenhaver, Qihao Guo, Shugang Chu, Douglas Galasko, David P. Salmon, Qi Dai, Wu Y, Ronald

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## RESEARCH FUNDING

PI. Cancer screening validation study design using optimal two-phase sampling schemes. NCI, 2026-2028. Under review.

Co-I. 7-13-CE-02: Epicardial fat & inflammatory mediators in the excess risk of coronary artery calcification among women with T1 Diabetes. NIDDK. 2013-2016.

Co-I. R03-OH010217: Effects of Job Risk Factors on Development of Osteoarthritis Retrospective cohort study using the Clearwater Osteoarthritis Study database in collaboration with the Arthritis Research Institute of America. : NIOSH. 2012-2015.

Co-I. T15 HL097780-01: Biostatistics in Medical & Health Research via Clinical Trials and Epidemiology. NHLBI. 2009-2012.

Data Core PI. P50 AG025711: NIA Florida Alzheimer's disease Research Center. NIA. 2005-2010.

Co-I. R21 AG02818202: Risk factors for brain atrophy, mild cognitive impairment, and dementia in Shanghai. NIA. 2007-2009.

Co-I. R21 AG02818202: Markers for pre-clinical Alzheimer's disease in an at-risk population sample. Johnnie B. Byrd Alzheimer's Center and Research Institute. 2004-2006.

Co-I. P01 AG1438209: Age Related Neurodegenerative Diseases in Micronesia. NIA. 2002-2007.

## CLASSROOM TEACHING

All the courses I created and taught at the University of South Florida

Level	Title	New course created	Number of times taught
Ph.D.	Advanced Survival Data Analysis	Yes	7
Ph.D.	Advanced Biostatistical Computing	Yes	1
Master	Biostatistics II	Yes	15
Master	Categorical Data Analysis	Yes	15
Master	Survival Data analysis	Yes	6
Master	Fundamentals of Probability	Yes	3
Master	Biostatistics Case Studies and Collaboration	Yes	3
Master	Advanced Programming in SAS	Yes	3
Master	R Programming	Yes	2

## PHD and MASTER STUDENT ADVISING

All PhD and master's students I have directed who have successfully completed their dissertation or theses

Degree requirement	Name	Advising rule
Ph.D. (Dissertation)	Meng Wang	Major Professor
	Peiyao Cheng	Major Professor
	Ping Xu	Major Professor

	Ayesha Johnson Wang	Member
	Cathleen Copenhaver	Member
	Gabriella Anic	Member
	Beibei Lu	Member
	Margaret Wan	Member
	Arlesia Brook	Member
	Owen Hill	Member
	Irma Ancheta	Member
MSPH (Thesis)	Haritha Polisetti	Major Professor
	Linan Ma	Major Professor
	Xiaohong Li	Member
	Melissa Kessler	Member
	Kelly Sullivan	Member
	Marie Denis	Member
	Owen Bendixsen	Member
	Stephanie Kolar	Member
	Gabriella Anic	Member

## PROFESSIONAL SERVICE

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Search Committee, Biostatistics Faculty member, Department of Epidemiology and Biostatistics

Executive Committee, Florida Alzheimer's Disease Research Center

Grant Review Committee, Florida Alzheimer's Disease Research Center

Data Request Review Committee, Florida Alzheimer's Disease Research Center

Member, USF Research Council

**HONERS and AWARDS**

1995	Graduate Fellowship	Department of Mathematics, University of Maryland, College Park, MD
2000	Pre-Doctoral Research Fellowship	Epidemiology, Statistics and Data System Branch, National Institute on Deafness and Other Communication Disorders, NIH

**PROFESSIONAL MEMBERSHIP**

Institute of Mathematical Statistics

American Statistical Association

Florida Chapter of the American Statistical Association

International Chinese Statistical Society

International Biometrics Society, East North American Region

### **ADMINISTRATIVE EXPERIENCE**

I have served as Director of the Biostatistics and Data Management core of the Florida Alzheimer's Disease Research Center (ADRC) from 2005 to 2010. The mission of our Biostatistics and data core was to (1) build a data infrastructure that served as data entry system for the data collected by Clinical Core (two data collection sites: Miami and Tampa) as well as a data transfer system for sending error free data to the national database for the Alzheimer's Disease Research Centers (NACC). (2) provide statistical assistance to all Core and project directors, perform top level analysis, assist with the preparation of manuscripts and presentations, and provide service as a liaison between the Data Core and other Cores in the center.