

Recai M. Yucel

CONTACT INFORMATION

Department of Epidemiology and Biostatistics
College of Public Health
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EDUCATION

Post-Doctoral training (2000–2002) Statistics and Health Care Policy	Department of Health Care Policy Harvard Medical School, Boston, MA. Mentor: Alan M. Zaslavsky
Ph.D., Statistics (May, 2000)	The Pennsylvania State University, University Park, PA Thesis title: “Computational tools for missing values in multivariate longitudinal and clustered data” Mentor: Joseph L. Schafer
M.A., Statistics (Aug., 1996)	The Pennsylvania State University, University Park, PA.
B.S., Statistics (June, 1992)	Gazi University, Ankara, Turkey.

PROFESSIONAL EMPLOYMENT & AFFILIATIONS

August 2020 – Present	Professor of Biostatistics and Assistant Director of Biostatistics Biostatistics Core Director Department of Epidemiology and Biostatistics College of Public Health Temple University Philadelphia, PA, USA.
September 2018 – July 2020	Chair and Professor of Biostatistics Department of Epidemiology and Biostatistics School of Public Health, University at Albany, SUNY Rensselaer NY, USA.
May 2017 – September 2018	Chair and Associate Professor of Biostatistics Department of Epidemiology and Biostatistics School of Public Health, University at Albany, SUNY Rensselaer NY, USA.
July 2017–Present	Senior Fellow National Institute of Statistical Sciences Washington, DC.

PROFESSIONAL EMPLOYMENT & AFFILIATIONS (CTD.)

- Sep. 2012 – May 2017 Co-Director
Statistical Core, Center for Social and Demographic Analysis
University at Albany, SUNY
Albany, NY, USA.
- Sep. 2014 – Sep. 2015 Visiting Professor
Department of Statistics
Middle East Technical University
Ankara, Turkey.
- July 2011 – Present Statistical Consultant
Division of Pulmonary and Critical Care Medicine
Albany Medical College
Albany, NY, USA
- Sep. 2011 – May 2017 Associate Professor of Biostatistics
Associate Chair for Biostatistics
Department of Epidemiology and Biostatistics
School of Public Health, University at Albany, SUNY
Rensselaer NY, USA.
- Jan. 2008 – 2011 Assistant Professor of Biostatistics (tenure-track)
Department of Epidemiology and Biostatistics
School of Public Health, University at Albany, SUNY
Rensselaer NY, USA.
- July 2008 – Present Research Associate
Center for Social and Demographic Analysis
Center for the Elimination of Minority Health Disparities
College of Arts and Sciences, University at Albany, SUNY
Albany, NY, USA.
- Sep. 2004 –Dec. 2007 Assistant Professor of Biostatistics (tenure-track)
Department of Biostatistics and Epidemiology
School of Public Health and Health Sciences
University of Massachusetts, Amherst MA, USA.
- Oct. 2002–Sep. 2004 Instructor in Medicine
Institute for Health Policy
Harvard Medical School (Massachusetts General Hospital)
Boston MA, USA.

ONGOING RESEARCH AND TRAINING GRANTS & CONTRACTS

- 2022–2024 *ADRD Plasma Biomarkers And Cognition In Aging Women With And Without HIV*
(PI: Yucel) Downstate Medical Center, SUNY
Subcontract budget: \$99,500. Effort: 15%
- 2021-2024 *Forging sustainable solutions for HIV continuity of care through medical-legal partnerships*
R34 MH125718-01A1 (PI: Martinez) NIH/NIMH
Role: Co-Investigator
Project Budget \$450,000 direct costs. Effort: 3% calendars in Yrs1-2, 5% effort Yr 3
- 2022-2027 *Tracking the burden, distribution, and impact of Post Covid-19 conditions among a diverse group of children, adolescents and adults in Philadelphia, PA.*
1 NU58IP000003-01-01 (PIs: Dzomba and Jones)
Role: Co-Investigator
15% Effort
- 2024-2028 *The Collaborative Center for Legal Epidemiology: Evaluating law as an intervention to improve health outcomes and reduce disparities related to HIV, Viral Hepatitis, STDs and Tuberculosis*
1 NH25PS005202-01-00 (PI: Burris)
5% Effort
- 2024-2028 *Blood DNA methylation Biomarkers of Post-Acute Sequelae of SARS-CoV-2 Infection(PASC)*
1R01AI173035-01A1 (PI Jaitovich)
10% Effort
- 2024-2026 *Adaptation to nighttime indoor heat exposure: the role of the built environment and behavioral factors*
1R21 XXXX (PI Han)
10% Effort

COMPLETED RESEARCH GRANTS & CONTRACTS

- 2020–2021 *ADRD Plasma Biomarkers And Cognition In Aging Women With And Without HIV*
(PI: Gustafson, Sub-contract PI: Yucel) National Institutes of Health
Subcontract budget: \$44,000 (direct \$30,267)
8% effort (academic year)
- 2017–2020 *Fogarty Ukraine and Kazakhstan HIV Research and Training Program*
(PI: Yucel) NIH Fogarty International Center
Role: PI
- 2017–2020 *Prevalence Study Add-On to the Evaluation of the New York State Alzheimer's Disease Caregiver Support Initiative* (PI : Gallant) DOH MOU
Role: Statistician, 8% effort (both academic year and summer)
Annual Project Budget: \$121,376 (direct \$103,170)
- 2017–2019 *Evaluation of Imputation Uncertainty in the National Household Education Survey*
(PI : Yucel) National Center for Education Statistics and NISS
Role: PI, 10% effort (both academic year and summer)

COMPLETED RESEARCH GRANTS & CONTRACTS

- 2014–2018 *Persistent Organic Pollutants and Cognitive Decline in the Elderly*
R01 ES022652-01 (PI:Fitzgerald), NIH/NIEHS
Role: Co-Investigator
The goal of the proposed research is to address research gaps concerning the effects of selected persistent organic pollutants (POPs) on the nervous system of older adults. State-of-the-art statistical techniques tailored to handle missing data and correlated data are implemented.
Project Budget \$1,501,162 direct costs. 10% effort (both academic year and summer)
- 2015–2017 *Study of Metals and Assisted Reproductive Technologies (SMART)*
R56-ES023886-01A1 (PI: Michael S. Bloom) NIH/NIEHS
Role: Co-Investigator
This study will characterize variability of follicular fluid and seminal plasma heavy metals and anti-oxidant enzyme activities within and between 50 couples undergoing IVF treatment. It will also evaluate associations with IVF outcomes.
Project Budget \$253,469 direct costs. 10% effort (summer)
- 2015–2017 *Mental Health Care Consumer Values and Preferences Regarding the Use of Provider Performance Data*
Robert Wood Johnson Foundation, Project Number; 73049
Role: Co-Investigator
The goals of this research are (1) attitudes and preferences regarding the use of provider outcome/performance information, and (2) the relative values placed on providers' performance track record compared to other potentially important provider/treatment factors.
Total budget: \$307,840 direct costs. 10% effort (both academic year and summer)
- 2014–2015 *Statistical analysis of complex incomplete data with ignorable and/or nonignorable*
Research Fellowship Grant for International Researchers (program # 2221)
The Scientific and Technological Research Council of Turkey
Role: PI 50% Academic year and summer
Overall theme of this work centered around multiple imputation inference in clustered data as well as computationally efficient algorithms for developing imputation models.
- 2009–2014 *Exploratory Center for the Elimination of Minority Health Disparities*
P 20 MD 003373-01 (PI: Schell), NIH/NCMHD
Role : Co-investigator/Statistician
The main role is to provide statistical advice and guidance in the Research & Training Cores of the Center for the Elimination of Minority Health Disparities.
Project budget: \$946,759, 10% effort (both academic year and summer)
- 2011–2012 *Upstate Health Research Network Data Security Protocol for the Analysis of New York State Data.*
Fair Health Inc. and Office of the Attorney General, NY
Project Title: Negative charges, Missing charges, Zero Charges
Role: PI

COMPLETED RESEARCH GRANTS & CONTRACTS (CTD.)

The main purpose of this project is to create a transparent public database for determining reimbursement rates for out-of-network care for a given geozip and medical procedure. My particular project focuses on the issue of missing/negative or zero charges. With funding from this agency, I developed develop parametric and nonparametric techniques for producing rate tables in the presence of missing data. These techniques are based on the novel use of mixed-effects models modified to reflect unique complexities such as non-nested and nested clustering.

Project Budget: \$112,000 20% (both academic year and summer)

2011–2012 *Upstate Health Research Network Data Security Protocol for the Analysis of New York State Data.*

Fair Health Inc. and Office of the Attorney General, NY.

Project title : Representativeness of Ingenix claims data for NY State.

Role: Co-investigator/Statistician

This project developed Monte Carlo experiments to conduct tests on the representativeness of the datasets to be used by other investigators. Tools and methods developed in the “missing-data” part of the project (see above) will also be used here.

2009–2010 *Feasibility study of an alternative class of techniques for multiple imputation inference in realistically complex incomplete datasets.*

Junior researcher award, Center for Social and Demographic Analysis
University at Albany.

Role: PI

The overall aim of this project is to conduct a feasibility study of sequential imputation using Bayesian sampling routines in complex data systems. Specifically, a comprehensive real-data-based simulation study is conducted to assess the performance of a variable-by-variable approach in developing imputation models. These structures include but are not limited to nested and non-nested clustered structures with item nonresponse and clustered administrative data with multiple cluster membership.

Project budget: \$ 11,800

2008–2010 *Augmenting NY Cancer Registry Data to Assess Breast and Colorectal Cancer Care.*

Centers for Disease Control and Prevention (PI: Schymura, Sub-contract PI: Yucel)

Role: Co-investigator/Statistician

This project’s principal aim is to bring diverse sources of data together to examine the quality of cancer care delivery, from early detection to survival.

To accomplish this, a unique linkage was made among the New York State Cancer Registry, New York State Medicaid program, New York State Hospital Discharge-Ambulatory Surgery data system, and Medicare claims. My role is to devise sound, practical and objective methods on missing cancer stage data for the New York Cancer Registry.

In addition, methods using missing-data and measurement error techniques are being implemented to draw overall statistical inferences from multiple data-sources.

Subcontract budget: \$ 41,024

COMPLETED RESEARCH GRANTS & CONTRACTS (CTD.)

- 2007–2009 *Private Sector Workplace Equal Employment Opportunity Progress 1966-2004*
National Science Foundation (PI: Tomaskevic-Devey)
Role: Co-investigator
The overarching goal of this project was to analyze more than five million establishment-level, panel observations collected by the U.S. Equal Employment Opportunity Commission since 1966. The richness and complexity of these data required us to first investigate unresolved but generally important analytic problems for modeling dynamic outcomes associated with long-term panel data with multiple non-hierarchical clustering. I developed the modeling framework for both maximum likelihood estimation and imputation that addressed these complexities (e.g. overlapping nesting, multiple memberships in dynamic data). Substantively, we examined the organizational change in firms, industries, and local labor markets in the United States.
Project budget: \$151,000.
- 2008–2009 *Infant Mortality, Black-White Disparities, State Social Policy*
Kellogg Foundation (PI: Robinson)
Role: Consultant
I developed estimates using multilevel models, causal models and modern missing data techniques on disparities in infant mortality.
Project budget: \$17,464
- 2006 *Mixed Models for Finite Populations*
National Institute of Health (PI: Stanek)
Role: Co-Investigator
I introduced model-based routines for missing data and helped the PI adapting some of these methods to finite population settings. I also collaborated on the development of re-sampling-based missing-data methods.
Project budget: \$331,392
- 2006–2007 *Methods for High Dimensional Data in HIV Research*
National Institute of Health (PI: Foulkes)
Role: Co-Investigator
This project involved grouping individuals into genetic clusters with similar or identical multilocus genotypes. I helped the formulation of the unobservable alignment of alleles within chromosomal copies as the missing-data problem in haplotype-based investigations and developed the implied estimation and multiple imputation algorithms.
Project budget: \$956,670
- 2002–2004 *Model-based approaches to item non-response in complex sample surveys and censuses.*
American Statistical Association and National Center for Health Statistics
(PI: Yucel)
Role: PI
This project extended general multivariate imputation techniques to multivariate multilevel data which are of particular interest to survey practitioners. These newly-developed methods were applied to several large-scale health surveys, including the National Health and Nutrition Examination Survey and the National Health Interview Survey.
Project budget: \$240,000
- 2003–2006 *The public health of caregiving and disability.*
Centers for Disease Control and Prevention (PI: Kuhlthau)
Role: Co-investigator/Statistician

Statistical methods publications(* indicates students or post-doctoral fellows under supervision; ** indicates equal authorship, *** indicates senior authorship)

1. Akkaya-Hocagil *, T and **Yucel, RM** (2023) Computationally-efficient sequential hierarchical regression imputation. *Journal of Applied Statistics*, DOI: 10.1080/02664763.2023.2277669
2. Balnis J, Lauria EJM, **Yucel RM**, Singer HA, Alisch RS, Jaitovich A. Peripheral Blood Omics and Other Multiplex-based Systems in Pulmonary and Critical Care Medicine. *Am J Respir Cell Mol Biol.* 2023 Oct;69(4):383-390. doi: 10.1165/rcmb.2023-0153PS. PMID: 37379507; PMCID: PMC10557924.
3. Ye, B., **Yucel, R.M.**, and Coffman, D. L. (2023). Impact of inconsistent imputation models in mediation analysis with clustered data. In M. Stemmler, A. von Eye, & W. Wiedermann (Eds.), *Dependent Data in Social Sciences Research: Forms, Issues, and Methods of Analysis*. New York, NY: Springer.
4. Ye, B*, **Yucel, RM**, Qu, Y, Thurston, G, Deng X, Ryan, I, Lin, S (2022) Impact of environmental programs on student test scores mediated by school attendance rate. *Hygiene and Environmental Health Advances*, Volume 4, 100028, DOI: <https://doi.org/10.1016/j.heha.2022.100028>.
5. Meng, W * and **Yucel, RM**. (2019) Model-based inference on average causal effect in observational clustered data. *Health Services and Outcomes Research*, Volume 19, Issue 1, 39–60.
6. Tote, K, Bradley, H, Martin, E, **Yucel, RM**, Rosenberg, E (2019) Factors Associated with Incomplete Toxicology Reporting in Drug Overdose Deaths, 2010-2016, *Annals of Epidemiology*, Volume 38, 65–69.
7. **Yucel, RM**, Zhao, E * Raghunathan, TE, Schenker, N. (2018) Sequential hierarchical regression imputation. *Journal of Survey Statistics and Methodology*, Volume 6, Issue 1, 1-22 (lead paper).
8. Inan, G * and **Yucel, RM** (2017) Multivariate longitudinal incomplete binary outcomes within joint GEEs framework. *Journal of Applied Statistics*, Volume 44, Issue 11, 1920–1937.
9. **Yucel, RM** (2017) Impact of the non-distinctness and non-ignorability on the inference by multiple imputation in multivariate multilevel data: A simulation assessment. *Journal of Statistical Computation and Simulation*, Volume 87, Issue 9, 1813–1826.
10. **Yucel, R.M.** (2014) R **mlmmm** package: Fitting multivariate linear mixed-effects models with missing values. *Turkish Clinics Journal of Biostatistics*, Volume 7, Issue 1, 11–24.
11. Karakaya, J. * , Karabulut, E. and , **Yucel R.M.***** (2014) Sensitivity to imputation models and assumptions in ROC analysis with incomplete data. *Journal of Statistical Computation and Statistics*. DOI: 10.1080/00949655.2014.983111.

12. **Yucel, R.M.**, Yulei, H. and Zaslavsky, A.M. (2011) Gaussian-based routines to impute categorical variables in health surveys. *Statistics in Medicine*, Volume 30, Issue 29, 3447–3460.
13. **Yucel, R.M.** (2011) Inference by multiple imputation under random coefficients and random covariances model. *Statistical Modelling*, Vol. 11 No. 4, 351–370
14. Yulei, H., **Yucel, R.M.** and Raghunathan, T.E. (2011) A Functional Multiple Imputation Approach to Incomplete Longitudinal Data. *Statistics in Medicine*, Volume 30, Issue 10, 1137–1156.
15. **Yucel, R.M.** and Demirtas, H. (2010) Impact of non-normal random effects on inference by multiple imputation: a simulation assessment. *Computational Statistics and Data Analysis*. Volume 54, Issue 3, 790–801.
16. **Yucel, R.M.**, He, Y. and Zaslavsky, A.M. (2008) Using calibration to improve rounding in multiple imputation. *The American Statistician*, Volume 62, Number 2, 125–129.
17. **Yucel, R.M.** (2008) Multiple imputation inference from multivariate multilevel continuous data with ignorable nonresponse. *Philosophical Transactions of the Royal Society, Series A*, Volume 366, No 1874, 2389–2403.
18. He, Y., **Yucel, R.M.** and Zaslavsky A.M. (2008) Misreporting, missing data, and multiple imputation: improving accuracy of cancer registry databases. Invited editorial for the health policy section in *Chance*, Volume 21, Number 3, 55–58.
19. Foulkes, A.S., **Yucel, R.M.**, and Li, X. (2008) Mixed modelling with ambiguous clusters: a likelihood-based approach. *Biostatistics*, Volume 9, No 4, 635–657 (doi:10.1093/biostatistics/kxm055).
20. Foulkes, A.S., **Yucel, R.M.**, Reilly, M.P. (2008) Mixed modeling and multiple imputation for unobservable genotype clusters. *Statistics in Medicine*, Volume 27, No 15, 2784–2801.
21. Demirtas, H., Freels, S.A., **Yucel, R.M.** (2008) The plausibility of multivariate normality assumption when multiply imputing non-gaussian continuous outcomes: a simulation assessment. *Journal of Statistical Computation and Simulation*, Volume 78, Issue 1, 69–84.
22. Li, X., Foulkes, AS., **Yucel, R.M.**; and Rich, Stephen M. (2007) An expectation maximization approach to estimate malaria haplotype frequencies in multiply infected children. *Statistical Applications in Genetics and Molecular Biology*, Volume 6, Issue 1, Article 33.
23. **Yucel, R.M.** and Zaslavsky, A.M. (2005) Imputation of binary treatment variables with measurement error in administrative data. *Journal of the American Statistical Association*, Volume 100, No. 472, 1123–1132.
24. Chiu, W.F., **Yucel, R.M.**, Zanutto, E., Zaslavsky, A.M. (2005) Using matched substitutes to improve imputations for geographically linked databases. *Survey Methodology*, Volume 31, Number 1, 65–72.

25. ** Schafer, J.L. and **Yucel, R.M.** (2002) Computational strategies for multivariate linear mixed-effects models with missing values. *Journal of the Computational and Graphical Statistics*, Volume 11, Number 2, 437–457.

Editorials, invited book reviews and letters

26. Zou, K.H., **Yucel, R.M.**, Paddock, S.M., Yoon, F. (2016) Statistical Science at the Forefront of Health Policy Research: Two ICHPS 2015 Special Issues. *Health Services and Outcomes Research Methodology*. Volume 16, Issue 3, 1–3.
27. Zou, K.H. and **Yucel, R.M.** (2015) Highlights from the 11th International Conference on Health Policy Statistics: Statistical Science at the Forefront of Health Policy Research, *Amstat News*, Issue #462.
28. **Yucel, R.M.** (2012) Dissemination of Missing Data Techniques in Medical, Biomedical and Social Research. *J Biomet Biostat* 3:e105. doi:10.4172/2155-6180.1000e105.
29. **Yucel, R.M.** (2011) State of the multiple imputation software. *Journal of Statistical Software*, Vol. 45, Issue 1.
30. **Yucel, R.M.**, He, Y. and Zaslavsky, A.M. (2008) Rejoinder to “Using calibration to improve rounding in multiple imputation”. *The American Statistician*. Volume 62, No 4, 364–366.
31. **Yucel, R.M.** (2008) Review of the “Missing Data in Clinical Studies” by Molenberghs and Kenward. *Journal of the American Statistical Association*, 103(484), 1717–1718.

Subject-matter collaborative publications

32. Li, X*, **Yucel, RM**, Gustafson, D (Forthcoming Plasma A40, A42, T-tau, P-tau231, GFAP, and NFL in women with and without HIV. *JAMA*.
33. Shkolnik, B, Sore, R*, Salick, M, Kobbari, G, Ghalib, S, Parimi, AS, Fish, KM, Deluca, R, **Yucel, RM**, Judson, MA (2023) The relationship between serum angiotensin converting enzyme level and the decision to escalate treatment of sarcoidosis. *Lung*. 201, 381–386 (2023). <https://doi.org/10.1007/s00408-023-00629-3>
34. Patel, J., Ogwo, C., Schueck, M., Ginu, N., Wu, H., **Yucel, R.**, Tellez, M., Ismail, A. (2023). Machine Learning Based Dental Caries Prediction Model Using Matched Electronic Dental Records and Social Determinants of Health Data. AMIA IA Showcase. Accepted for publication & in-print
35. Ruth, A, Rehman, U, Stewart, P, Moore, LE, **Yucel, RM** and Wilson, RT (2023) Maternal and Paternal Household Pesticide Exposure During Pregnancy and Risk of Childhood Acute Lymphoblastic Leukemia (Accepted 3/29/2023). *Journal of Occupational and Environmental Medicine*.

36. Feiler, MA, **Yucel, RM**, Liu, Z, Caserta, M, Paige, LB, Pason, CH, Hardy, DJ, Thevenet-Morrison, K, Dozier, A and Jusko, TA. (2023). Trends and Non-Clinical Predictors Respiratory Syncytial Virus (RSV) and Influenza Diagnosis in an Urban Pediatric Population. DOI: 10.23937/2469-5769/1510112.
37. Robertson, TW*, Meng, W*, Miller, LS, Schettine, AM, **Yucel, RM**, Manganello, JA, and Cogan, LW. (Forthcoming). Association Between Health Literacy, Perceptions of Health, and Health Care among New York State Medicaid Members. *Health Literacy Research and Practice*.
38. Iskakova, B*, Nugmanova, Z, **Yucel, RM**, Gamarel, K, King, EJ (2022). Re-validation and cultural adaptation of the brief, standardized assessment tool for measuring HIV-related stigma in healthcare settings in Almaty, Kazakhstan. PLoS ONE 17(11): e0276770. <https://doi.org/10.1371/journal.pone.0276770>
39. Judson M, Adelstein E, Fish, KM, Feustel, PJ, Yucel, RM, Preston, S, Vancavage, R, Chopra, A, Steckman, DA (2022). Outcomes of prednisone-tapering regimens for cardiac sarcoidosis: A retrospective analysis demonstrating a benefit of infliximab. *Respiratory Medicine*.
40. Gustafson, D, Motov, Sergey, **Yucel, RM**, Haoyuan, L. Mental Health of Emergency Department Healthcare Workers During COVID-19 in Brooklyn, New York (Submitted:4/30/2022 Accepted: 6/14/2022)
41. Alolod, GP, Gardiner, HM, Blunt, R, **Yucel, RM**, Siminoff, LA. Organ Donation Willingness Among Asian Americans: Results from a National Study. *Journal of Racial and Ethnic Health Disparities*, Published on line May 20, 2022 (Received: 25 March 2022 / Revised: 5 May 2022 / Accepted: 13 May 2022)
42. Judson, MA, **Yucel, RM**, Preston, S, Chen, E, Culver, D, Drent, M, Hamzeh, N, Lower, EE, Sweis, N, Valeyre, D, van Morsel, C, Victorson, DE, Beaumont, J, Singh, N, Baughman, RP. The development of an on-line sarcoidosis assessment platform (OSAP) to assess disease burden longitudinally. Accepted (March, 2022) *Respiratory Medicine*.
43. Friedman, S, Fussel, E, Nakatsuka, M*, **Yucel, RM** Hispanic Disaster Preparedness in the U.S., 2017: Examining the Association with Residential Characteristics. Accepted (July, 2021) *Cityscape: A Journal of Policy Development and Research*.
44. Butts, CD*, Bloom, MS, McGough, A, Lenhart, N, Wong R, Mok-Lin M, Parsons PJ, Galusha AJ, Browne, RW, **Yucel, RM**, Feingold BJ, Fujimoto, VF. Toxic elements in human follicular fluid adversely influence in vitro fertilization outcomes. Accepted (June, 2021) *Human Reproduction Open*.
45. Weihui, Z*, Vasquez, E, Botosaneanu, A, **Yucel, RM** ***Metabolic Risk and Depression among Elderly Mexican Americans:The Roles of Nativity Status. Accepted for publication in 3/21 in *Ethnicity & Disease*.
46. Fernandez, D , Gin-Vzquez, I, Liu I, **Yucel, RM**, Nai RM, Morena M, Garca, VG, Haro JM, Chatterji S., Pan W, Tyrovolas S. Are environmental factors and biodiversity level associated to the spread and mortality of COVID-19? A four-month global analysis. Forthcoming in *Environmental Pollution*.

47. Butts, CD*, Bloom, MS, McGough, A, Lenhart, N, Wong, R, Mok-Lin, E, Parsons, PR, Galusha, AL, Yucel, RM, Feingold, BJ, Browne, RW, Fujimoto, VY. Variability of essential and non-essential trace elements in the follicular fluid of women undergoing in vitro fertilization (IVF). Forthcoming in *Ecotoxicology and Environmental Safety*.
48. Medarov, B, Pluto, L, Fina, L, Ilyas, F, Sukhu, I, **Yucel, RM**, Judson, MA. (2020) Assessing the reliability of obstructive sleep apnea screening instruments in isolation or in combination. *Respiratory Medicine*, Volume 2, 100019.
49. Butts, CD*, Bloom MS, McGough A, Lenhart N, Wong R, Mok-Lin, E, Parsons PJ, Galusha, AJ, **Yucel, RM**, Feingold, BJ, Browne, RW, Fujimoto, VY. (2020) Seafood consumption is associated with greater follicular fluid (FF) arsenic (As) and mercury (Hg) concentrations in women undergoing IVF. *Environmental Research*, Volume 188, 109753.
50. Figueiro, MG, Steverson, B, Haerwagen, J, **Yucel, RM**, Roohan, C, Sahin, L, Kampschroer, Rea, MS (2020) Light, entrainment and alertness: A case study in offices. *Lighting Research & Technology*, 472-481. 10.25039/x46.2019.OP65.
51. Shkolnik B, Judson MA, Austin A, Hu K, D'souza M, Zumbrunn A, Huggins, JT, **Yucel, RM**, Chopra, A. (2020) Role of thoracic ultrasonography in narrowing the diagnosis of a pleural effusion. *Chest*, 158(2):692-697. doi: 10.1016/j.chest.2020.02.051.
52. Tanner, E*, Bloom, M, Kannan, K, Lynch, J, Wang, W, **Yucel, RM**, Fitzgerald, E. (2020) A Longitudinal Study of Polychlorinated biphenyls and Neuropsychological Function Among Older Adults from New York State. *International Journal of Hygiene and Environmental Health*, Volume 223, Issue 1, 1–9.
53. Friedman, SR, **Yucel, RM**, Wynn, CE* and Gibbons, JR (2019) Muslim/Non-Muslim locational attainment in Philadelphia: a new fault line in residential inequality? *Demography*, 56(4):1327-1348.
54. Savadatti, S*, Bell, EM, Hosler, AS, Gates, M, **Yucel, RM**, Ranjita, M (2019) The association of health promotion behaviors and heart disease status among Asian Indians in the United States. *Ethnicity and Health*, 25(1):45-52.
55. Judson, MA, Preston, S, Hu, K, Zhang, R, Jou, S, Modi, A, Sukhu, I, Ilyas, F, Rosoklija, G, **Yucel, RM** * (2019) Quantifying the relationship between symptoms at presentation and the prognosis of sarcoidosis. *Respiratory Medicine*, Volume 152, 14–19.
56. Bloom, M, Wenzel, A, Jiyessova, A, Unal, E, Kucklick, J, Brock, JW, Cruze, C, Wineland, R, **Yucel, RM**, Newman, R. (2019) Racial Disparity in Maternal Phthalates Exposure; Association with Racial Disparity in Fetal Growth and Birth Outcomes. *Environment International*, 127:473-486.
57. Jaitovich, A., Khan M, Itty, R, Chieng, H, Nadendla, P, Fantauzzi, F, **Yucel, RM**, Feustel, PJ, Judson, MA. (2019) ICU admission skeletal muscle mass and survival: a prospective cohort study. *Chest*, 155(2):322-330.

58. Schell, LM, Gallo, M, Pfeiffer, S, Lee, F, Garry, D, **Yucel, RM**, and Akwesasne Task Force on the Environment Akwesasne Task Force on the Environment (2019) Trends in height, weight, BMI, skinfolds, and measures of overweight and obesity from 1979 through 1999 among American Indian Youth: The Akwesasne Mohawk. *International Journal of Obesity*, doi: <https://doi.org/10.1038/s41366-019-0349-5>
59. Judson, MA, Modi, A, Ilyas, F, **Yucel, RM** (2018) Repository corticotropin injection (ACTHar gel) for the treatment of sarcoidosis-induced hypercalciuria and vitamin D dysregulation: A pilot, open label study. *Sarcoidosis Vasculitis and Diffuse Lung Disease*, Volume 35, 192-197.
60. James, WE, Koutroumpakis, E, Saha, B, Nathani, A, Saavedra, L, **Yucel RM**, Judson, MA (2018) Clinical Features of Extrapulmonary Sarcoidosis Without Lung Involvement. *Chest*, 154(2), 349–356.
61. Tanner, EM*, Bloom, MS, Kannan, K, **Yucel, RM**, Shrestha, S, Fitzgeralds, EF (2018) Occupational Exposure to Perfluoroalkyl Substances and Serum Levels of Perfluorooctanesulfonic Acid (PFOS) and Perfluorooctanoic Acid (PFOA) in an Aging Population from upstate New York: A Retrospective Cohort Study. *International Archives of Occupational and Environmental Health*, 91(2):145-154.
62. Boswell, J.F., Constantino, M.J., Oswald, J.M., Bugatti, M., Goodwin, B., **Yucel, R.M.** (2018) Mental Health Care Consumers' Relative Valuing of Clinician Performance Information. *Journal of Consulting and Clinical Psychology*, Volume 86, 301–308.
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64. Savadatti, SS*, Bell, E M, Gates, MA, Hosler, AS, **Yucel, RM**, Misra, R. (2019) Health promoting lifestyle measures among Asian Indians with metabolic syndrome in the U.S. *Journal of Public Health Management and Practice*. 25(1):45–52.doi: 10.1097/PHH.0000000000000738.
65. Shrestha, S *, Bloom, MS, **Yucel, RM**, Seegal, RF, Rej, R, McCaffrey, RJ, Wu, Q, Kannan, K, Fitzgerald, EF. (2017) Perfluoroalkyl Substances, Thyroid Hormones, and Neuropsychological Status in Older Adults. *Int J Hyg Environ Health*. 220(4):679-685. doi: 10.1016/j.ijheh.2016.12.013.
66. Hubo, H, Foulke, L, Jennings, T, Koutroumpakis, E, Dalvi, S, Chaudry, H, Chopra, A, Modi, A, Prtezzant, D, Sheehan, C, **Yucel, RM**, Patel, M, Judson, M. (2017) The role of serum amyloid A staining of granulomatous tissues for the diagnosis of sarcoidosis. *Respiratory Medicine*, Volume 126, 1–8.
67. Kim, K*, Bloom MS, Browne, RW, Bell, EM, **Yucel, RM**, Fujimoto, VY. (2017) Associations between follicular fluid high density lipoprotein particle components and embryo quality among in vitro fertilization patients. *Journal of Assisted Reproduction and Genetics*, Volume 34, Issue 1, 1–10.

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70. Young, Y, Kalamaras, J*, Kelly, L, Hornick D, **Yucel, R** (2015) Is Aging in Place Delaying Nursing Home Admission? *Journal of the American Medical Directors Association*. 16(10):900.e1-6. doi: 10.1016/j.jamda.2015.07.017.
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72. Shresthaa, S*, Bloom, MS, **Yucel, RM**, Seegal, RF, Kannan, K, Rej, R, Fitzgerald, EF. (2015) Perfluorinated Compounds and Thyroid Function in Older Adults. *Environmental International*, volume 75, 206–214.
73. Insaf, TZ*, Shaw, BA, **Yucel, RM** and Strogatz, DS (2014) Lifecourse Socioeconomic Position and Racial Disparities in BMI Trajectories among Black and White Women: Exploring Cohort Effects in the Americans Changing Lives Study. *Journal of Racial and Ethnic Health Disparities*, Volume 1, Issue 4, 309–318.
74. Insaf TZ*, Shaw BA, Yucel R, Chasan-Taber L, Strogatz D. (2014) Lifecourse Socioeconomic Position and 16 Year Body Mass Index Trajectories: Differences by Race and Sex. *Preventive Medicine*, Volume 67, 17–23.
75. Insaf TZ*, Strogatz DS, Yucel RM, Chasan-Taber, L. and Shaw, BA (2014) Associations between race, lifecourse socioeconomic position and prevalence of diabetes among US women and men: results from a population-based panel study. *J Epidemiol Community Health*, Volume 68, Issue 4, 318–325.
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78. Haley, VB*, Van Antwerpen, C., Tsivitis, M., Doughty, D., Gase, K., Hazamy, P., Tserenpuntsag, B., Racz, M., **Yucel, R. M.**, McNutt, L.-A., Stricof, R. (2012) Surveillance of coronary artery bypass graft surgical site infections in New York state, 2008. *American Journal of Infection Control*, Volume 40, 22–28.
79. Guzman MP, Jellinek M, George M, Hartley M, Squicciarini AM, Canenguez K, Kuhlthau K, **Yucel RM**, White G, Guzman J, Murphy JM. (2011) Mental health

matters in elementary school; First grade screening predicts fourth grade achievement test scores. *European Child and Adolescent Psychiatry*, 20(8):401–411.

Reprint:

Guzman, M. P., Jellinek, M., George, M., Hartley, M., Squicciarini, A. M., Canenguez, K.M., Kuhlthau, K., Yucel, R., White, G., Guzman, J., Murphy, J.M. (2011) (Lotterer, S & Guzman, J (translators)) . La Salud mental importa en la educacin bsica: pesquisa en 1 bsico predice rendimiento acadmico en SIMCE de 4 basico. *Revista Chilena de Psiquiatría y Neurología de la Infancia y Adolescencia*, In press.

80. Gordon, E.J., Prohaska, T.R., Gallant, M.P., Sehgal, A.W., Strogatz, D., **Yucel, R.M.**, Conti, D. and Siminoff, A.S. (2009) Longitudinal analysis of physical activity, fluid intake, and graft function among kidney transplant recipients. *Transplant Journal*, Volume 22, Issue 10, 990–998.
81. Co, J.P.T., **Yucel, R.M.**, MacDonald, E., Ferris, T.G. (2009) Priorities for Improvement in Pediatric Ambulatory Care. *Ambulatory Pediatrics*, Volume 9, Issue 1, 47–52.
82. Tang, M., Hill, K.S., **Yucel, R.M.**, Perrin, J.M., Kuhlthau, K.A. (2008) Medicaid Managed Care and the Unmet Need for Mental Health Care among Children with Special Health Care Needs. *Health Services Research*, Volume 43, Issue 3, 882–900.
83. Kim, M., Betancourt, J., Ayanian, J., Zaslavsky, A.M., **Yucel, R.M.**, Weissman, J.S. (2008) Access to Care and Use of Preventive Services by Hispanics State-Based Variations From 1991 to 2004. *Medical Care*, Volume 46, Issue 5, 507–515.
84. Hill, K., Freeman, L., **Yucel, R.M.**, Kuhlthau, K. (2008) Unmet need among children with special care needs in Massachusetts. *Maternal and Child Health Journal*, Volume 12, Issue 5, 650–661.
85. Shields, A.E., Levy, D.E., Blumenthal, D., Currivan, D., McGinn-Shapiro, M., Weiss, K.B., **Yucel, R.M.**, and Lerman, C. (2008) Anticipating complexity: Primary care physicians’ willingness to offer a new genetic test to tailor smoking treatment according to test characteristics. *Nicotine & Tobacco Research*, Volume 10, Issue 6, 1037–1045.
86. Gnanasekaran, S.K., Boudreau, A.A., Soobader, M., **Yucel, R.M.**, Hill, K. and Kuhlthau, K. (2008) State policy environment and delayed or forgone care among children with special health care needs. *Maternal and Child Health Journal*, Volume 12, Number 6, 739–746.
87. Kuhlthau, K., Hill, K., Fluet, C., Meara, E., **Yucel, R.M.** (2008) Correlates of therapy use and expenditures in children in the United States. *Developmental Neuropsychology*, Volume 11, Issue 2, 115–123, doi: 10.1080/17518420701605627.
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90. Blumenthal, D., Campbell, E.G., Gokhale, M., **Yucel, R.M.**, Clarridge, B., Hilgartner, S., Holtzman, N.A. (2006) Data withholding in genetics and the other life sciences: prevalence and predictors. *Academic Medicine*, Volume 81, Issue 2, 137–145.
91. Kuhlthau, K.A., Hill, K.S., **Yucel, R.M.**, Perrin, J.M. (2005) Financial burden for families of children with special health care needs. *Maternal and Child Health Journal*, Volume 9, Number 2, 207–218.
92. Campbell, E.G., Weissman, J.S., Clarridge, B., **Yucel, R.M.**, Blumenthal, D. (2003) Characteristics of faculty serving on IRBs: Results of a national survey of medical faculty. *Academic Medicine*, Volume 78, 831–836.
93. Weissman, J.S., Moy, E., Campbell, E.G., Gokhale, M., **Yucel, R.M.**, Blumenthal, D. (2003) Limits to the safety net: Teaching hospital faculty report on their patients' access to care. *Health Affairs*, Volume 22, Number 6, 156–166.
Proceeding papers and technical reports (non-refereed)
94. Qiushuang, L and **Yucel, R.M.** (2021) Variational Bayesian Multiple Imputation for Clustered High-Dimensional Data. *In Joint Statistical Meetings Proceedings, Survey Research Methods Section*. Alexandria, VA: American Statistical Association. 1121-1131.
95. Ye, B and **Yucel, R.M.** (2021)) Impact of Inconsistent Imputation Models in Mediation Analysis with Clustered Data. *In Joint Statistical Meetings Proceedings, Health Policy Statistics Section*. Alexandria, VA: American Statistical Association. 1121-1131.
96. Qiushuang, L and **Yucel, R.M.** (2020) Variable selection in sequential hierarchical regression imputation. *Proceedings of the Survey Research Methods Section of the American Statistical Association*.
97. Ye, B and **Yucel, R.M.** (2020) Impact of inconsistent imputation models in mediation analysis. *Proceedings of the Health Policy Statistics Section of the American Statistical Association*.
98. Wu, M. and **Yucel, R.M.** (2011) Model-based (potential outcome) estimation of ACE and its variance in clustered data. *Proceedings of the Survey Research Methods Section of the American Statistical Association*.
99. **Yucel, R.M.** (2009) Imputation of ordinal variables using Gaussian-based routines. *Proceedings of the Survey Research Methods Section of the American Statistical Association*.
100. *Zhao, E. and **Yucel, R.M.** (2009) On the compatibility of sequential hierarchical regression imputation. *Proceedings of the Survey Research Methods Section of the American Statistical Association*.

101. **Yucel, R.M.**, Ding, H., Uludag, A.K., Tomaskovic-Devey, D. (2008) Multiple imputation in multiple classification and multiple-membership structures. *Proceedings of the Section on Bayesian Statistical Science of the American Statistical Association*.
102. **Yucel, R.M.** and Raghunathan, T.E. (2006) Sequential imputation using hierarchical regression. *Proceedings of the Health Policy Statistics Section of the American Statistical Association*.
103. **Yucel, R.M.** and Zaslavsky, A.M. (2004) Practical suggestions on rounding in multiple imputation. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, 4679–4683.
104. **Yucel, R.M.** and Zaslavsky, A.M. (2001) Imputation of binary responses with measurement error for treatments in health services data. *Proceedings of the Health Policy Statistics Section of the American Statistical Association*.
105. Calvin, C., **Yucel, R.M.**, Zanutto, E., Zaslavsky, A.M. (2001) Using matched substitutes to improve imputations for geographically linked databases. *Proceedings of the Survey Research Methods Section of the American Statistical Association*.
106. **Yucel, R.M.** and Schafer, J.L. (1999) Parameter estimation in multivariate linear mixed models with possible missing values. *Technical report No 99-36*. The Methodology Center, The Pennsylvania State University, University Park, PA.
107. Schafer, J.L. and **Yucel, R.M.** (1998) Fitting multivariate linear mixed models with incomplete data. *Proceedings of the Statistical Computing Section of the American Statistical Association*, 177–182. (Condensed from TR# 99-36)

Publications: Currently under review

1. **Yucel, RM**, Robertson, T*, Schenker, N, Raghunathan, TE. Assessing Imputation Uncertainty in the National Household Education Survey. Under review in *Journal of Educational and Behavioral Statistics*.
2. Meng, W * and **Yucel, RM**. Estimation of average causal effect in clustered data measured with error. Under review in *Statistics in Medicine*.

Publications: About to be submitted or in progress

1. **Yucel, RM** and **Kalaylioglu, Z** Sequential Imputation using Marginal Models.
2. **Yucel, R.M.**, Tomaskovic-Devey, D. Multiple imputation in multiple classification and multiple-membership structures. Under review in *Journal of Applied Statistics*.
3. Meng, W *, Josberger, RE, **Yucel, RM**. Estimation of average causal effect in clustered data with measurement errors.

4. **Yucel, R.M.**, Boscoe, F, Schymura, M. Multiple imputation inference for ordinal clustered data using multivariate linear mixed-effects models with calibration: Application to incomplete cancer staging.
5. **Yucel, R.M.** Improving coherence of sequential imputation by calibration.

SOFTWARE AUTHORED

- MLMMM** Parameter estimation routines under a multivariate linear mixed-effects model with missing values. Routines described in Schafer and Yucel (2002) and Yucel (2014). Further documentation is available at <http://cran.r-project.org/web/packages>.
- MLD.IMP** Multiple imputation of multivariate multilevel data under a random-effects, random-covariances model. In preparation.
- SHRIMP** R package for sequential hierarchical regression imputation. In preparation.
- fourMC** R package for MI and ML in multiple-classification and multiple-membership structures. In preparation.

INVITED SEMINARS, WORKSHOPS, SHORT COURSES AND KEYNOTE LECTURES

- August 2017 “Calibration-based routines for multiple imputation inference in complex surveys”
Joint Statistical Meetings, Baltimore, MD, USA
- October 2015 “Computational-efficient algorithms for multiple imputation for correlated categorical data,” Department of Statistics, Middle East Technical University
- September 2014 “Pragmatic approaches to building multiple imputation models in complex data structures”
Keynote lecture at the XVI. National Biostatistics Conference, Antalya, Turkey.
- June 2013 “Calibration-based sequential multiple-imputation”
International Chinese Statistical Association Meetings,
Virginia, Washington DC, USA.
- Oct. 2013 “Calibration-based sequential multiple-imputation”
University of Connecticut, Department of Statistics,
Stors, Connecticut, USA.
- Oct. 2011 “Improving the coherence of sequential imputation via calibration”
International conference on health policy statistics,
Cleveland, Ohio, USA.
- April 2010 “Gaussian-based routines for imputing clustered categorical data”
New England Statistical Symposium, Department of Statistics,
Harvard University, MA, USA.
- April 2010 “Analysis of incomplete longitudinal data”
School of Social Welfare, University at Albany, Albany, NY, USA.
- December 2009 “Calibration-based inference for incompletely-observed ordinal variables using Gaussian-based routines.” Department of Biostatistics and Epidemiology,
University of Massachusetts, Amherst, MA, USA.
- July 2009 “MCMC-based routines for handling missing data in panel data”
Department of Statistics, Middle East Technical University, Ankara, Turkey.
- January 2009 “Inference via multiple imputation in multiple classification and multiple-membership structures.” Albany Chapter of American Statistical Association,
Albany, NY, USA.
- May 2009 “Missing data in longitudinal studies”
Workshop taught at the 5th Conference of the Eastern Mediterranean
Region of the International Biometric Society.
Istanbul, Turkey.
- June 2008 “Practice of modern missing data methods”
Annual Research Meeting, Academy Health. Washington, DC, USA.
- May 2008 “Missing data methods: theory, practice and software”
Center for Social and Demographic Analysis, University at Albany,
SUNY, Albany, NY, USA.
- April 2008 “Introduction to missing data methods”
Schneider Institute for Health Policy, Brandeis University, MA, USA.

INVITED SEMINARS, WORKSHOPS, SHORT COURSES AND KEYNOTE LECTURES (CTD.)

- April 2008 “Issues with missing data”, Invited discussant. AdvaMed/FDA Statistics Conference, Bethesda, DC, US.
- June 2007 “Using multiple imputation in the analysis of incomplete data: A practitioner’s perspective”, workshop on statistical methods for missing multivariate data, Annual Research Meeting, Academy Health. Orlando, FL, USA.
- April 2007 “Strategies for developing imputation models for multivariate multilevel incomplete data”, New England Statistics Symposium, University of Connecticut Storrs, CT, US.
- March 2007 “Missing data and associated software”
Harvard Clinical Research Institute, Statistical Seminar Series
“Key Statistical Methods for Clinical Trials“, Harvard Medical School, Boston, MA, USA.
- October 2006 “Multiple imputation for incomplete multilevel data with SHRIMP“
Conference on “New Methods for the Analysis of Family and Dyadic Processes“
organized by the Center for Research on Families,
University of Massachusetts, Amherst, MA, USA.
- June 2006 “Sequential hierarchical regression imputation”
Department of Statistics, Middle East Technical University. Ankara, Turkey.
- April 2006 “Missing data in cluster samples: Design-based and Bayesian perspectives”
Department of Statistics, University of Connecticut.
- March 2006 “Missing data in cluster samples: Design-based and Bayesian perspectives”
ENAR Meetings, Tampa, Florida
- June 2006 “Statistical analysis of multivariate incomplete data”
Department of Economics, TOBB Economy and Technology University .
Ankara, Turkey
- Jan. 2006 “What to do about missing data: tools for practitioners”
The Center for Research on Families, University of Massachusetts,
Amherst, MA, USA.
- Oct. 2005 “SHRIMP: sequential hierarchical regression imputation”
International Conference on Health Policy Research, Boston, MA, USA.
- April 2005 “Multiple imputation using multivariate hierarchical models and
sequential hierarchical models”
Department of Mathematics and Statistics, UMass, Amherst, MA, USA.
- Aug. 2004 “Practical suggestions on rounding in multiple imputation”
Joint Statistical Meetings, Toronto, Canada.
- Aug. 2003 “Imputation of binary treatment variables with measurement error in
administrative data.” International Conference for Health Policy
Research, Chicago, IL.
- Jan. 2003 “PAN-PLUS : Software for multiple imputation inference for incomplete
multilevel data.” International Biometric Society, Antalya, Turkey.

INVITED SEMINARS, WORKSHOPS, SHORT COURSES AND KEYNOTE LECTURES (CTD.)

- Jan. 2003 “Imputation of binary responses with measurement error for treatments in health services data.” International Biometric Society, Antalya, Turkey.
- Nov. 2002 “Flexible imputation techniques for incomplete multivariate multilevel data.” National Center for Health Statistics, Hyattsville, MD.
- Aug. 2002 “Computational strategies for handling missing values in panel surveys.” Koc University, Istanbul, Turkey.
- Aug. 2002 “Data augmentation strategies in multivariate multilevel incomplete data.” Joint Statistical Meetings, New York, NY.
- May. 2002 “Data accuracy problems and solutions for California Cancer Registry Database.” Harvard University, Boston, MA.
- May. 2002 “Using matched substitutes to improve imputations for geographically linked databases.” Harvard University, Boston, MA.
- Dec. 2001 “Flexible imputation techniques for incomplete multivariate multilevel data.” Brown University.
- Nov. 2001 “Computational tools for missing values in multivariate multilevel data.” Harvard University.
- Oct.-Dec. 2001 “Imputation techniques for incomplete multivariate multilevel data.” Department of Biostatistics, Harvard School of Public Health. Boston, MA, USA.
- Oct.-Dec. 2001 “Statistical methods and software for analyzing multivariate incomplete data.” Harvard Medical School (workshop of four parts). Boston, MA, USA.

CONTRIBUTED PAPERS PRESENTED AT PROFESSIONAL MEETINGS

- March 2017 **Yucel, R.M** and Liu, Gang* “Multiple Imputation Inference for Multilevel Data with Missing Values: Application of Marginalized Multilevel Model.” ENAR 2017, Washington, DC.
- March 2017 **Yucel, R.M** and Akkaya-Hocagil, T* “Improved Model Fitting Procedures for Multiple Membership Data Structures in Multilevel Models.” ENAR 2017, Washington, DC.
- March 2016 **Yucel, R.M** and Kalaylioglu, Z. “Sequential Imputation Using Marginal Models” ENAR 2016, Austin, TX.
- March 2016 **Yucel, R.M** and Akkaya-Hocagil, T* “Feasibility of Variable-By-Variable Imputation in Clustered Data with Multiple Membership” ENAR 2016, Austin, TX.
- Aug. 2009 **Yucel, R.M.**, Yulei, H. and Zaslavsky, A.M. “Imputation of ordinal variables using Gaussian-based routines.” Joint Statistical Meetings, Washington, DC.
- Aug. 2009 Zhao, E. and **Yucel, R.M.** “On the compatibility of sequential hierarchical regression imputation.” Joint Statistical Meetings, Washington, DC.
- Aug. 2008 **Yucel, R.M.** “Inference via multiple imputation in multiple classification and multiple-membership structures.” Joint Statistical Meetings, Denver, CO.
- April 2007 Foulkes, A.S., **Yucel, R.M.**, and Li, X. “Gene association studies using mixed models with ambiguous clusters”, European Mathematical Genetics Meeting, Heidelberg, Germany. (peer-reviewed)
- Dec. 2005 Hill, **Yucel, R.M.**, Kuhlthau, K. “Measuring childhood disability: The International Classification of Functioning, Disability and Health (ICF) and the CSHCN Screener in the Medical Expenditure Panel Survey”, American Public Health Association, Philadelphia, PA.
- Aug. 2003 Khare, M., **Yucel, R.M.** “A comparison of conventional estimates of vaccination coverage with estimates obtained from multiply imputed dataset using available software for multiple imputation” Contributed paper presented at the Joint Statistical Meetings, San Francisco, CA.
- Aug. 2003 **Yucel, R.M.**, Schenker, N., Raghunathan, T.E. “Multiple imputation using sequential hierarchical regression models” Contributed paper presented at the Joint Statistical Meetings, San Francisco, CA.
- Aug. 2001 **Yucel, R.M.** and Schafer, J.L. “Software for multiple imputation of multivariate panel and clustered data.” Contributed paper presented at the Joint Statistical Meetings, Atlanta, GA.
- Aug. 2001 **Yucel, R.M.** and Zaslavsky, A.M. “Imputation of binary responses with measurement error for treatments in health services data.” Contributed paper presented at the Joint Statistical Meetings, Atlanta, GA.
- Aug. 2001 Calvin, C., **Yucel, R.M.**, Zaslavsky, A.M., Zanutto, E. “Using matched substitutes to improve imputations for geographically linked databases.” Contributed paper presented at the Joint Statistical Meetings, Atlanta, GA.

CONTRIBUTED PAPERS PRESENTED AT PROFESSIONAL MEETINGS (CTD.)

- June 2000 **Yucel, R.M.** and Schafer, J.L. "Flexible imputation techniques for incomplete longitudinal or multilevel data." Invited paper presented at the 8th Annual Society for Prevention Research Conference, Montreal, Canada.
- Aug. 1999 **Yucel, R.M.** and Schafer, J.L. "Computational methods for multivariate longitudinal and clustered data with missing values." Contributed paper presented at the Joint Statistical Meetings, Baltimore, MD.
- June 1999 **Yucel, R.M.** and Schafer, J.L. "Methods for missing values in multivariate longitudinal and clustered data." Invited poster presented at the 7th Annual Society for Prevention Research Conference, New Orleans, LA.
- Oct. 1998 Schafer, J.L. and **Yucel, R.M.** "Multiple imputation with PAN." Invited paper presented at the New Methods for the Analysis of Change Conference, The Pennsylvania State University, University Park, PA
- Aug. 1998 **Yucel, R.M.** and Schafer, J.L. "Fitting multivariate linear mixed models with incomplete data." Contributed paper at the Joint Statistical Meetings, Dallas, TX.
- Aug. 1997 **Yucel, R.M.** and Schafer, J.L. "A rapidly mixing MCMC algorithm for the general linear mixed model." Contributed paper at the Joint Statistical Meetings, Anaheim, CA.

SERVICE TO THE PROFESSION

- **Associate Editor**, *Statistics in Medicine* (2017–2020)
- **Co-Editor**, *Health Services and Outcomes Research Methodology* (2014–2016)
- **Co-Chair**, *2015 International Conference on Health Policy Statistics*, Providence RI (2014–2015).
- **Scientific Planning Committee Member**, *International Conference on Health Policy Statistics (ICHPS)* (2006–2018)
- **Organizing Committee Member**, *2nd International Conference and Exhibition on Biometrics & Biostatistics Statistics (ICHPS)* (2013)
- **Program Chair-Elect**: Health Policy Section of the American Statistical Association (2010–2011)
- **Scientific reviewer**: National Science Foundation (2010, 2012, 2013)
- **Scientific reviewer**: Study section, Susan G. Komen for the Cure Grants Program - Localized Chemotherapies (LCT) (2008, 2009)
- **Scientific reviewer**: Study section, Deployment Related Medical Research Program, Department of Defense (2008–present)
- **Referee** for *Statistics, Policy and Politics, Biometrics, Journal of the Computational and Graphical Statistics, The American Statistician, Biometrical Journal, Journal of Official Statistics, Survey Methodology, Statistica Sinica, Journal of the American Statistical Association, Communications in Statistics Theory & Methods, Circulation, Academic Pediatrics, Journal of Quality of Life, Psychological Methods, BioMed Central*
- **Reviewer** for Springer Publishers (2006)
- **Advisory Board Member**, *Turkish Clinics Journal of Biostatistics (2009–present)*
- **Organizer** of several invited sessions in international meetings such as ENAR (2008), Joint Statistical Meetings (2009), ICHPS (2008, 2010) on themes such as missing data techniques & diagnostics, causal inference, combining information across multiple data sources.

INSTITUTIONAL SERVICE

Temple University

Departmental Committees

2020–Present Member, Epidemiology and Biostatistics Curriculum Committee

2020–Present Chair, Tenure Track Biostatistics Faculty Search Committee

2020–Present Member, Strategic Implementation Committee

School Committees

University Committees

2020–Present Member, Reporting and Analytics Tools Selection Committee

INSTITUTIONAL SERVICE

University at Albany, SUNY

Departmental Committees

2011–2017 Chair, Epidemiology and Biostatistics Personnel Committee

2011–2012 Epidemiology and Biostatistics Faculty Search Committee

2008–2017 Chair, Biostatistics Graduate Program Admission Committee

2008–2011 Epidemiology and Biostatistics Website Committee

School Committees

2011–2018 Committee on Tenure Promotion and Continuing Appointments
School of Public Health

2009–2016 Chair, School of Public Health Evaluation Committee

2010–2013 School of Public Health Grievance Committee

University Committees

2014–2015 Proposal reviewer for the Presidential Initiatives Fund for Research and Scholarship

2009–2019 University Council on Research FRAP Committee

INSTITUTIONAL SERVICE

University of Massachusetts, Amherst

Departmental Committees

2004–2007 Biostatistics Graduate Program Admission Coordinator

2004–2007 Doctoral candidacy and comprehensive exam committee

2005–2006 Biostatistics and Epidemiology Colloquium Organizer

School Committees

2004–2007 Curriculum Committee

University Committees

2004–2005 Internal research grant reviewer

COURSES TAUGHT AT UNIVERSITY AT ALBANY, SUNY

Semester(s)	Course	Title
Fall 2011, 2012, 2016	HSTA 558 (3 credits)	Data Analysis I
Spring 2011, 2013	HSTA 559 (3 credits)	Data Analysis II
Fall 2012, 2013, 2015, 2016	HSTA 556 (3 credits)	Bayesian Data Analysis I
Spring 2009, 2010, 2011	HSTA 670 (3 credits)	Longitudinal Data Analysis (new course)
Spring 2012, 2013, 2016, 2018		
Fall 2008, 2009, 2010, 2011	HSTA 610 (3 credits)	Statistical Analysis with Missing Data (new course)
2013, 2015, 2016, 2018, 2019		
Fall 2009	HSTA 550 (1 credit)	Introduction to R (<i>new course</i>)

COURSES TAUGHT AT MIDDLE EAST TECHNICAL UNIVERSITY

Semester(s)	Course	Title
Fall 2014	STAT 610 (3 credits)	Statistical Analysis with Missing Data
Spring 2015	STA4 460 (3 credits)	Bayesian Data Analysis

COURSES TAUGHT AT UNIVERSITY OF MASSACHUSETTS

Semester(s)	Course	Title
Spring 2006	BIOEPI 796A (3 credits)	Advanced Statistical Computation (<i>new course</i>)
Spring, Fall 2005, Fall 2006	BIOEPI 743 (3 credits)	Analysis of Categorical Data
Fall 2004	BIOEPI 540 (3 credits)	Introduction to Biostatistics

DOCTORAL ADVISEES

Name	Degree Program	Title
Qiushuang Li (2022)	Ph.D. in Biostatistics	Multiple Imputation of High-Dimensional Data with Variable Selection (current job: Postdoctoral fellow at Temple University)
Bo Ye (2022)	Ph.D. in Biostatistics	Impact of inconsistent imputation models in mediation analysis (current job: Biostatistician, Manager at Amgen)
Gang Liu (2021)	Ph.D. in Biostatistics	Conditional and marginal imputation models for multilevel data (current job: Research Scientist at NYS DOH)
Tugba Hocagil (2018)	Ph.D. in Biostatistics	Computationally efficient imputation algorithms for multilevel data (current job: Postdoc at Harvard University)
Meng Wu (2017)	Ph.D. in Biostatistics	Causal inference in complex incomplete data (current job: Director at NY Department of Health)
Yi Sun (2015)	Ph.D. in Biostatistics	Stepwise Matching Algorithms (current job: Scientist at NY Department of Health)
Kuangnan Xiong (2015)	Ph.D. in Biostatistics	Multiple imputation and random forests in binary classification (current job: Scientist at NY Department of Health)
Gang Liu (expected 2020)	Ph.D. in Biostatistics	Sequential imputation using marginalized models in multilevel applications
Bo Ye (expected 2021)	Ph.D. in Biostatistics	Development of coherent imputation models in mediation analyses
Qiushuang LI (expected 2021)	Ph.D. in Biostatistics	Model selection routines for multiple imputation inference in high dimensional settings

DOCTORAL COMMITTEES

Name	Degree Program	University
Eva Tanner (2018)	Ph.D. in Environmental Health	UAlbany
Liu Chen (2019)	Ph.D. in Biostatistics	UAlbany
Hamide Yilmaz-Gozu (2016)	Ph.D.in Education	UAlbany
Keewan Kim (2016)	Ph.D. in Environmental Health	UAlbany
Sanghamitra Savadatti (2016)	Ph.D. in Epidemiology	UAlbany
Srishti Shrestha (2015)	Ph.D. in Epidemiology	UAlbany
Anju Menon (2014)	Ph.D. in Biostatistics	UAlbany
Ata Ashar (2014)	Ph.D. in Epidemiology	UAlbany
Ashley Giambrone (2013)	Ph.D. in Biostatistics	UAlbany
Georgia Brooke (2013)	Ph.D. in Education	UAlbany
Tabassum Insaf (2012)	Ph.D. in Epidemiology	UAlbany
Derek Cyr (2011)	Ph.D. in Biostatistics	UAlbany
Aely Park (2011)	Ph.D. in Social Welfare	UAlbany
Bo Xu (2007)	Ph.D. Biostatistics	UMass
Meng-Shiou Shieh (2007)	Ph.D. in Mathematics and Statistics	UMass

MASTER'S ADVISEES

Name	Degree Program & University
Amaal Alharbi (2020)	MS in Biostatistics, UAlbany
Tom Robertson (2019)	MS in Biostatistics, UAlbany
Paul deBarros (2016)	MS in Biostatistics, UAlbany
Mohammad Lachaab (2016)	MS in Biostatistics, UAlbany
Tang, Honglei (2013)	MS in Biostatistics, UAlbany
Yu, Chen (2013)	MS in Biostatistics, UAlbany
Lu, Lu (2013)	MS in Biostatistics, UAlbany
Storch, Jashua (2013)	MS in Biostatistics, UAlbany
Samira, Ramadan (2012)	MS in Biostatistics, UAlbany
Meiwao, Fan (2012)	MS in Biostatistics, UAlbany
Schaeffer, Richard (2012)	MS in Biostatistics, UAlbany
Thomas, Sanil (2011)	MS in Biostatistics, UAlbany

MASTER'S COMMITTEES (ATTENDED ALL MS STUDENTS' COMMITTEES SINCE 2010)

Name (Year)	Degree Program	University
Yan Wu (2009)	MS in Biostatistics	UAlbany
Wei Jiang (2009)	MS in Biostatistics	UAlbany
Ashley Viola (2009)	MS in Biostatistics	UAlbany
Diana Nadler (2009)	MS in Biostatistics	UAlbany
Gul Inan (2009)	MS in Statistics	Middle East Technical University
Alex Knee (2006)	MS in Epidemiology	UMass
Allison Crawford (2006)	MS in Biostatistics	UMass
William Parsons (2005)	MS in Epidemiology	UMass
Timothy J. Wright (2005)	MS in Epidemiology	UMass
Kathleen Beach (2005)	MS in Epidemiology	UMass

ACADEMIC HONORS

2013 Delta Omega Honorary Society Membership

2009-2010 Junior faculty researcher award by the Center for Social and Demographic Analysis, University at Albany

Elected as a 2002–2003 Research Fellow under American Statistical Association and National Center for Health Statistics Fellowship Program

Travel grant awarded by the Department of Statistics, The Pennsylvania State University (1997, 1998, 1999, 2000)

Awarded a scholarship for graduate study in the United States by the Council of Higher education of the Republic of Turkey (1993–1996)

Graduated with honors, Gazi University (1992)

PROFESSIONAL MEMBERSHIPS

American Statistical Association, Institute of Mathematical Statistics