

Michael J Daniels

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

4,641
citations

136950

32
h-index

114465

63
g-index

109
all docs

109
docs citations

109
times ranked

4871
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Bayesian nonparametric approach for evaluating the causal effect of treatment in randomized trials with semi-competing risks. <i>Biostatistics</i> , 2022, 23, 34-49. | 1.5 | 7 |
| 2 | Characterizing Expiratory Respiratory Muscle Degeneration in Duchenne Muscular Dystrophy Using MRI. <i>Chest</i> , 2022, 161, 753-763. | 0.8 | 6 |
| 3 | Differential impact of telehealth extended-care programs for weight-loss maintenance in African American versus white adults. <i>Journal of Behavioral Medicine</i> , 2022, , 1. | 2.1 | 1 |
| 4 | Gestational weight change and childhood body composition trajectories from pregnancy to early adolescence. <i>Obesity</i> , 2022, 30, 707-717. | 3.0 | 4 |
| 5 | Step Activity Monitoring in Boys with Duchenne Muscular Dystrophy and its Correlation with Magnetic Resonance Measures and Functional Performance. <i>Journal of Neuromuscular Diseases</i> , 2022, , 1-14. | 2.6 | 2 |
| 6 | Assessing Missing Data Assumptions in EHR-Based Studies: A Complex and Underappreciated Task. <i>JAMA Network Open</i> , 2021, 4, e210184. | 5.9 | 53 |
| 7 | A Bayesian semiparametric approach for inference on the population partly conditional mean from longitudinal data with dropout. <i>Biostatistics</i> , 2021, , . | 1.5 | 0 |
| 8 | Glucagon-Like Peptide 1 Receptor Agonists and Chronic Lower Respiratory Disease Exacerbations Among Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2021, 44, 1344-1352. | 8.6 | 21 |
| 9 | Modeling Multiple Time-Varying Related Groups: A Dynamic Hierarchical Bayesian Approach With an Application to the Health and Retirement Study. <i>Journal of the American Statistical Association</i> , 2021, 116, 558-568. | 3.1 | 6 |
| 10 | Response to Comment on Albogami et al. Glucagon-Like Peptide-1 Receptor Agonists and Chronic Lower Respiratory Disease Exacerbations Among Patients With Type 2 Diabetes. <i>Diabetes Care</i> 2021;44:1344-1352. <i>Diabetes Care</i> , 2021, 44, e167-e167. | 8.6 | 0 |
| 11 | Adjusting for selection bias due to missing data in electronic health records-based research. <i>Statistical Methods in Medical Research</i> , 2021, 30, 2221-2238. | 1.5 | 15 |
| 12 | Bayesian Semi-parametric G-computation For Causal Inference in a Cohort Study with Mnar Dropout and Death. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2021, 70, 398-414. | 1.0 | 4 |
| 13 | A note on monotonicity in repeated attempt selection models. <i>Statistics and Probability Letters</i> , 2020, 156, 108585. | 0.7 | 0 |
| 14 | A Semiparametric Bayesian Approach to Dropout in Longitudinal Studies With Auxiliary Covariates. <i>Journal of Computational and Graphical Statistics</i> , 2020, 29, 1-12. | 1.7 | 4 |
| 15 | A Bayesian parametric approach to handle missing longitudinal outcome data in trial-based health economic evaluations. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2020, 183, 607-629. | 1.1 | 6 |
| 16 | Effect of Telehealth Extended Care for Maintenance of Weight Loss in Rural US Communities. <i>JAMA Network Open</i> , 2020, 3, e206764. | 5.9 | 39 |
| 17 | MR biomarkers predict clinical function in Duchenne muscular dystrophy. <i>Neurology</i> , 2020, 94, e897-e909. | 1.1 | 55 |
| 18 | Upper and Lower Extremities in Duchenne Muscular Dystrophy Evaluated with Quantitative MRI and Proton MR Spectroscopy in a Multicenter Cohort. <i>Radiology</i> , 2020, 295, 616-625. | 7.3 | 28 |

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|----|---|-----|-----------|
| 19 | Modeling disease trajectory in Duchenne muscular dystrophy. <i>Neurology</i> , 2020, 94, e1622-e1633. | 1.1 | 49 |
| 20 | Effect of dose of behavioral weight loss treatment on glycemic control in adults with prediabetes. <i>BMJ Open Diabetes Research and Care</i> , 2019, 7, e000653. | 2.8 | 12 |
| 21 | A Sensitivity Analysis Approach for Informative Dropout Using Shared Parameter Models. <i>Biometrics</i> , 2019, 75, 917-926. | 1.4 | 5 |
| 22 | Discussion of PENCOMP. <i>Journal of the American Statistical Association</i> , 2019, 114, 24-27. | 3.1 | 2 |
| 23 | Measurement Error Correction and Sensitivity Analysis in Longitudinal Dietary Intervention Studies Using an External Validation Study. <i>Biometrics</i> , 2019, 75, 927-937. | 1.4 | 7 |
| 24 | A note on compatibility for inference with missing data in the presence of auxiliary covariates. <i>Statistics in Medicine</i> , 2019, 38, 1190-1199. | 1.6 | 1 |
| 25 | Classification using ensemble learning under weighted misclassification loss. <i>Statistics in Medicine</i> , 2019, 38, 2002-2012. | 1.6 | 1 |
| 26 | Design of the Rural LEAP randomized trial: An evaluation of extended-care programs for weight management delivered via group or individual telephone counseling. <i>Contemporary Clinical Trials</i> , 2019, 76, 55-63. | 1.8 | 11 |
| 27 | Handling Missing Data in Instrumental Variable Methods for Causal Inference. <i>Annual Review of Statistics and Its Application</i> , 2019, 6, 125-148. | 7.0 | 2 |
| 28 | Optimizing and evaluating biomarker combinations as trial-level general surrogates. <i>Statistics in Medicine</i> , 2019, 38, 1135-1146. | 1.6 | 3 |
| 29 | Bayesian methods for multiple mediators: Relating principal stratification and causal mediation in the analysis of power plant emission controls. <i>Annals of Applied Statistics</i> , 2019, 13, 1927-1956. | 1.1 | 19 |
| 30 | Impact of the Hospital-Acquired Conditions Initiative on Falls and Physical Restraints: A Longitudinal Study. <i>Journal of Hospital Medicine</i> , 2019, 14, E31-E36. | 1.4 | 8 |
| 31 | A Bayesian Nonparametric Approach to Causal Inference on Quantiles. <i>Biometrics</i> , 2018, 74, 986-996. | 1.4 | 16 |
| 32 | A Bayesian semiparametric latent variable approach to causal mediation. <i>Statistics in Medicine</i> , 2018, 37, 1149-1161. | 1.6 | 10 |
| 33 | Bayesian Approaches for Missing Not at Random Outcome Data: The Role of Identifying Restrictions. <i>Statistical Science</i> , 2018, 33, 198-213. | 2.8 | 31 |
| 34 | Bayesian Nonparametric Generative Models for Causal Inference with Missing at Random Covariates. <i>Biometrics</i> , 2018, 74, 1193-1202. | 1.4 | 23 |
| 35 | Longitudinal timed function tests in Duchenne muscular dystrophy: ImagingDMD cohort natural history. <i>Muscle and Nerve</i> , 2018, 58, 631-638. | 2.2 | 41 |
| 36 | Skeletal muscle magnetic resonance biomarkers correlate with function and sentinel events in Duchenne muscular dystrophy. <i>PLoS ONE</i> , 2018, 13, e0194283. | 2.5 | 52 |

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|----|---|-----|-----------|
| 37 | A Bayesian nonparametric approach to marginal structural models for point treatments and a continuous or survival outcome. <i>Biostatistics</i> , 2017, 18, 32-47. | 1.5 | 21 |
| 38 | ARMA Cholesky factor models for the covariance matrix of linear models. <i>Computational Statistics and Data Analysis</i> , 2017, 115, 267-280. | 1.2 | 10 |
| 39 | Improved HIV-1 Viral Load Monitoring Capacity Using Pooled Testing With Marker-Assisted Deconvolution. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2017, 75, 580-587. | 2.1 | 7 |
| 40 | A Framework for Bayesian Nonparametric Inference for Causal Effects of Mediation. <i>Biometrics</i> , 2017, 73, 401-409. | 1.4 | 29 |
| 41 | Multi-slice MRI reveals heterogeneity in disease distribution along the length of muscle in Duchenne muscular dystrophy. <i>Acta Myologica</i> , 2017, 36, 151-162. | 1.5 | 20 |
| 42 | Comparing Biomarkers as Trial Level General Surrogates. <i>Biometrics</i> , 2016, 72, 1046-1054. | 1.4 | 9 |
| 43 | Causal Inference with Longitudinal Outcomes and Non-Ignorable Dropout: Estimating the Effect of Living Alone on Cognitive Decline. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2016, 65, 131-144. | 1.0 | 12 |
| 44 | A note on posterior predictive checks to assess model fit for incomplete data. <i>Statistics in Medicine</i> , 2016, 35, 5029-5039. | 1.6 | 6 |
| 45 | Multicenter prospective longitudinal study of magnetic resonance biomarkers in a large duchenne muscular dystrophy cohort. <i>Annals of Neurology</i> , 2016, 79, 535-547. | 5.3 | 131 |
| 46 | Sequential BART for imputation of missing covariates. <i>Biostatistics</i> , 2016, 17, 589-602. | 1.5 | 27 |
| 47 | Quantile regression in the presence of monotone missingness with sensitivity analysis. <i>Biostatistics</i> , 2016, 17, 108-121. | 1.5 | 4 |
| 48 | The impact of sugar sweetened beverage intake on hunger and satiety in minority adolescents. <i>Appetite</i> , 2016, 97, 43-48. | 3.7 | 18 |
| 49 | Bayesian modeling of the covariance structure for irregular longitudinal data using the partial autocorrelation function. <i>Statistics in Medicine</i> , 2015, 34, 2004-2018. | 1.6 | 2 |
| 50 | Pattern Mixture Models for the Analysis of Repeated Attempt Designs. <i>Biometrics</i> , 2015, 71, 1160-1167. | 1.4 | 8 |
| 51 | Multi-modal intervention to reduce cardiovascular risk among hypertensive older adults: Design of a randomized clinical trial. <i>Contemporary Clinical Trials</i> , 2015, 43, 237-242. | 1.8 | 7 |
| 52 | A Flexible Bayesian Approach to Monotone Missing Data in Longitudinal Studies With Nonignorable Missingness With Application to an Acute Schizophrenia Clinical Trial. <i>Journal of the American Statistical Association</i> , 2015, 110, 45-55. | 3.1 | 25 |
| 53 | Effect of Medicare's Nonpayment for Hospital-Acquired Conditions. <i>JAMA Internal Medicine</i> , 2015, 175, 347. | 5.1 | 133 |
| 54 | Ongoing Attention to Injurious Inpatient Falls and Pressure Ulcers—Reply. <i>JAMA Internal Medicine</i> , 2015, 175, 1582. | 5.1 | 1 |

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|----|--|-----|-----------|
| 55 | Magnetic Resonance Imaging and Spectroscopy Assessment of Lower Extremity Skeletal Muscles in Boys with Duchenne Muscular Dystrophy: A Multicenter Cross Sectional Study. <i>PLoS ONE</i> , 2014, 9, e106435. | 2.5 | 94 |
| 56 | Examination of effects of corticosteroids on skeletal muscles of boys with DMD using MRI and MRS. <i>Neurology</i> , 2014, 83, 974-980. | 1.1 | 131 |
| 57 | Flexible marginalized models for bivariate longitudinal ordinal data. <i>Biostatistics</i> , 2013, 14, 462-476. | 1.5 | 23 |
| 58 | An exploration of fixed and random effects selection for longitudinal binary outcomes in the presence of nonignorable dropout. <i>Biometrical Journal</i> , 2013, 55, 17-37. | 1.0 | 0 |
| 59 | Skeletal Muscles of Ambulant Children with Duchenne Muscular Dystrophy: Validation of Multicenter Study of Evaluation with MR Imaging and MR Spectroscopy. <i>Radiology</i> , 2013, 269, 198-207. | 7.3 | 80 |
| 60 | A nonparametric prior for simultaneous covariance estimation. <i>Biometrika</i> , 2013, 100, 125-138. | 2.4 | 14 |
| 61 | Causal inference for bivariate longitudinal quality of life data in presence of death by using global odds ratios. <i>Statistics in Medicine</i> , 2013, 32, 4275-4284. | 1.6 | 2 |
| 62 | Use of <i>International Classification of Diseases, Ninth Revision, Clinical Modification</i>, Codes to Identify Inpatient Fall-Related Injuries. <i>Journal of the American Geriatrics Society</i> , 2013, 61, 2186-2191. | 2.6 | 14 |
| 63 | Bayesian Inference for the Causal Effect of Mediation. <i>Biometrics</i> , 2012, 68, 1028-1036. | 1.4 | 36 |
| 64 | A Bayesian Semiparametric Approach for Incorporating Longitudinal Information on Exposure History for Inference in Case-Control Studies. <i>Biometrics</i> , 2012, 68, 361-370. | 1.4 | 10 |
| 65 | Bayesian Model Selection for Incomplete Data Using the Posterior Predictive Distribution. <i>Biometrics</i> , 2012, 68, 1055-1063. | 1.4 | 13 |
| 66 | A Note on MAR, Identifying Restrictions, Model Comparison, and Sensitivity Analysis in Pattern Mixture Models with and without Covariates for Incomplete Data. <i>Biometrics</i> , 2011, 67, 810-818. | 1.4 | 29 |
| 67 | Causal Effects of Treatments for Informative Missing Data due to Progression/Death. <i>Journal of the American Statistical Association</i> , 2010, 105, 912-929. | 3.1 | 9 |
| 68 | CAUSAL EFFECTS OF TREATMENTS FOR INFORMATIVE MISSING DATA DUE TO PROGRESSION/DEATH. <i>Journal of the American Statistical Association</i> , 2010, 105, 912-929. | 3.1 | 6 |
| 69 | Comments on: Missing data methods in longitudinal studies: a review. <i>Test</i> , 2009, 18, 51-58. | 1.1 | 5 |
| 70 | Modeling covariance matrices via partial autocorrelations. <i>Journal of Multivariate Analysis</i> , 2009, 100, 2352-2363. | 1.0 | 57 |
| 71 | Joint Models for the Association of Longitudinal Binary and Continuous Processes With Application to a Smoking Cessation Trial. <i>Journal of the American Statistical Association</i> , 2009, 104, 429-438. | 3.1 | 27 |
| 72 | Marginalized models for longitudinal ordinal data with application to quality of life studies. <i>Statistics in Medicine</i> , 2008, 27, 4359-4380. | 1.6 | 39 |

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|----|---|-----|-----------|
| 73 | A flexible approach to Bayesian multiple curve fitting. Computational Statistics and Data Analysis, 2008, 52, 5100-5120. | 1.2 | 8 |
| 74 | A General Class of Pattern Mixture Models for Nonignorable Dropout with Many Possible Dropout Times. Biometrics, 2008, 64, 538-545. | 1.4 | 33 |
| 75 | Extended-Care Programs for Weight Management in Rural Communities. Archives of Internal Medicine, 2008, 168, 2347. | 3.8 | 227 |
| 76 | Marginalized transition random effect models for multivariate longitudinal binary data. Canadian Journal of Statistics, 2007, 35, 105-123. | 0.9 | 13 |
| 77 | Simultaneous modelling of the Cholesky decomposition of several covariance matrices. Journal of Multivariate Analysis, 2007, 98, 568-587. | 1.0 | 47 |
| 78 | A Class of Markov Models for Longitudinal Ordinal Data. Biometrics, 2007, 63, 1060-1067. | 1.4 | 32 |
| 79 | Bayesian modeling of several covariance matrices and some results on propriety of the posterior for linear regression with correlated and/or heterogeneous errors. Journal of Multivariate Analysis, 2006, 97, 1185-1207. | 1.0 | 14 |
| 80 | Conditionally Specified Space-Time Models for Multivariate Processes. Journal of Computational and Graphical Statistics, 2006, 15, 157-177. | 1.7 | 15 |
| 81 | A New Algorithm for Simulating a Correlation Matrix Based on Parameter Expansion and Reparameterization. Journal of Computational and Graphical Statistics, 2006, 15, 897-914. | 1.7 | 60 |
| 82 | Meta-analysis of low carbohydrate variable protein energy-restricted diet studies on weight loss and body composition in humans. FASEB Journal, 2006, 20, A582. | 0.5 | 0 |
| 83 | A class of shrinkage priors for the dependence structure in longitudinal data. Journal of Statistical Planning and Inference, 2005, 127, 119-130. | 0.6 | 7 |
| 84 | Longitudinal profiling of health care units based on continuous and discrete patient outcomes. Biostatistics, 2005, 7, 1-15. | 1.5 | 40 |
| 85 | Revised Analyses of the National Morbidity, Mortality, and Air Pollution Study: Mortality Among Residents Of 90 Cities. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2005, 68, 1071-1092. | 2.3 | 260 |
| 86 | Underestimation of Standard Errors in Multi-site Time Series Studies. Epidemiology, 2004, 15, 57-62. | 2.7 | 16 |
| 87 | The National Morbidity, Mortality, and Air Pollution Study. Part III: PM10 concentration-response curves and thresholds for the 20 largest US cities. Research Report (health Effects Institute), 2004, , 1-21; discussion 23-30. | 1.6 | 21 |
| 88 | Modelling the random effects covariance matrix in longitudinal data. Statistics in Medicine, 2003, 22, 1631-1647. | 1.6 | 80 |
| 89 | Incorporating prior beliefs about selection bias into the analysis of randomized trials with missing outcomes. Biostatistics, 2003, 4, 495-512. | 1.5 | 63 |
| 90 | Air Pollution and Mortality. Journal of the American Statistical Association, 2002, 97, 100-111. | 3.1 | 210 |

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|-----|--|------|-----------|
| 91 | Analysis of particulate matter air pollution using Markov random field models of spatial dependence. <i>Environmetrics</i> , 2002, 13, 615-628. | 1.4 | 21 |
| 92 | Assessing sources of variability in measurement of ambient particulate matter. <i>Environmetrics</i> , 2001, 12, 547-558. | 1.4 | 5 |
| 93 | Shrinkage Estimators for Covariance Matrices. <i>Biometrics</i> , 2001, 57, 1173-1184. | 1.4 | 189 |
| 94 | Complex structure of a maize Myb gene promoter: functional analysis in transgenic plants. <i>Plant Journal</i> , 2000, 22, 471-482. | 5.7 | 69 |
| 95 | Reparameterizing the Pattern Mixture Model for Sensitivity Analyses Under Informative Dropout. <i>Biometrics</i> , 2000, 56, 1241-1248. | 1.4 | 70 |
| 96 | Hierarchical Generalized Linear Models in the Analysis of Variations in Health Care Utilization. <i>Journal of the American Statistical Association</i> , 1999, 94, 29-42. | 3.1 | 87 |
| 97 | A prior for the variance in hierarchical models. <i>Canadian Journal of Statistics</i> , 1999, 27, 567-578. | 0.9 | 119 |
| 98 | Nonconjugate Bayesian Estimation of Covariance Matrices and its Use in Hierarchical Models. <i>Journal of the American Statistical Association</i> , 1999, 94, 1254-1263. | 3.1 | 169 |
| 99 | Hierarchical Generalized Linear Models in the Analysis of Variations in Health Care Utilization. <i>Journal of the American Statistical Association</i> , 1999, 94, 29. | 3.1 | 15 |
| 100 | Nonconjugate Bayesian Estimation of Covariance Matrices and Its Use in Hierarchical Models. <i>Journal of the American Statistical Association</i> , 1999, 94, 1254. | 3.1 | 41 |
| 101 | The heritability of IQ. <i>Nature</i> , 1997, 388, 468-471. | 27.8 | 484 |
| 102 | Meta-analysis for the evaluation of potential surrogate markers. <i>Statistics in Medicine</i> , 1997, 16, 1965-1982. | 1.6 | 273 |
| 103 | Hierarchical polytomous regression models with applications to health services research. , 1997, 16, 2311-2325. | | 44 |
| 104 | Meta-analysis for the evaluation of potential surrogate markers. , 1997, 16, 1965. | | 1 |
| 105 | Meta-analysis for the evaluation of potential surrogate markers. <i>Statistics in Medicine</i> , 1997, 16, 1965-1982. | 1.6 | 6 |
| 106 | Hierarchical polytomous regression models with applications to health services research. <i>Statistics in Medicine</i> , 1997, 16, 2311-2325. | 1.6 | 2 |
| 107 | Missing Data in Longitudinal Studies. , 0, , . | | 290 |