

Stanford



Ben Domingue

Associate Professor of Education and, by courtesy, of Sociology
Graduate School of Education

CONTACT INFORMATION

- **Admin. Support**

Mitch Gilmer

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Bio

BIO

Ben Domingue is an associate professor at the Graduate School of Education at Stanford University with research interests in psychometrics and quantitative methods. He is interested in how statistical tools can be used to better understand psychological and educational outcomes—e.g., what is this child's reading ability?—that are challenging to measure and yet ubiquitous in education as well as the social and biomedical sciences more generally. To that end, he is leading development of a data resource (the Item Response Warehouse) meant to increase the availability and accessibility of data for psychometrics research.

ACADEMIC APPOINTMENTS

- Associate Professor, Graduate School of Education
- Associate Professor (By courtesy), Sociology
- Member, Bio-X

ADMINISTRATIVE APPOINTMENTS

- Faculty Affiliate, Stanford Center for Longevity, (2019- present)
- Assistant Professor (by courtesy), Stanford Department of Sociology, (2018- present)
- Faculty Fellow, Stanford Population Health Sciences, (2017- present)
- Steering Committee, Stanford Center for Education Policy Analysis, (2017- present)
- Assistant Professor, Graduate School of Education, Stanford University, (2015-2022)
- Visiting Researcher, Population Research Center, The University of Texas at Austin, (2014-2015)
- Visiting Scholar, Colombian Institute for the Evaluation of Education (ICFES), (2013-2013)
- Research Associate, Institute of Behavioral Science, University of Colorado Boulder, (2012- present)
- Graduate Research Assistant, School of Education & Institute of Behavioral Science, University of Colorado Boulder, (2007-2012)
- Teacher, Crested Butte Academy, (2006-2007)

HONORS AND AWARDS

- Research Fellow, Jacobs Foundation (2022-2024)

- Faculty Advising Award, Student Guild, Stanford Graduate School of Education (2018)
- Outstanding Reviewer, AERA Open (2018)
- Quantitative Dissertation Award, American Educational Research Association Division D (Measurement and Research Methodology) (2013)

PROFESSIONAL EDUCATION

- PhD, University of Colorado Boulder , Education (2012)
- MA, University of Texas at Austin , Mathematics (2006)
- BS, University of Texas at Austin , Mathematics (2001)

LINKS

- Google Scholar: <https://scholar.google.com/citations?user=xBU1a9EAAAAJ&hl=en>
- CV: https://www.dropbox.com/scl/fi/58b9y4j6pb0n1uiiho6sw/BDomingue_CV.pdf?rlkey=abzwdl70v2dw4ei98am0m4szx
- Item Response Warehouse: <https://datapages.github.io/irw/>

Research & Scholarship

RESEARCH INTERESTS

- Assessment, Testing and Measurement
- Child Development
- Data Sciences
- Educational Policy
- Psychology
- Research Methods
- Sociology

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The following are examples of the kinds of questions that he gets excited about studying (with the essential help of many collaborators):

--As response time is collected in a broader range of psychometric studies, how should it be used? Response time is a potentially valuable piece of information about the response process but it is not always clear how it should be interpreted. One issue that we have focused on is whether the speed-accuracy tradeoff—the observation that people make more error-prone responses when hurried—arises absent priming in observational data (“Speed-accuracy tradeoff? Not so fast: Marginal changes in speed have inconsistent relationships with accuracy in real-world settings”). A related question is whether it can be potentially used to study group differences on low-stakes examinations (“Differences in time usage as a competing hypothesis for observed group differences in accuracy with an application to observed gender differences in PISA data.”).

--How can we better index prediction quality from models of binary outcomes? Our work leverages the fact that prediction quality can be translated to statements about weighted coins and introduces an index that has an interpretation which is consistently interpretable across a range of outcomes. Alongside our development of this idea in a generic setting (“InterModel Vigorish (IMV): A novel approach for quantifying predictive accuracy when outcomes are binary”), we also have done work to show how it can be used in both item response theory (“The InterModel Vigorish as a lens for understanding (and quantifying) the value of item response models for dichotomously coded items”) and structural equation models (“The InterModel Vigorish for Model Comparison in Confirmatory Factor Analysis with Binary Outcomes”).

--Can we use psychometric approaches to further our understanding of what we are learning from large experiments in education? Conventional approaches to understanding treatment effects frequently focus on outcomes that are composites of individual items. We ask whether we can identify and observe item-level variation in treatment sensitivity ("Heterogeneity of item-treatment interactions masks complexity and generalizability in randomized controlled trials"). Such variation may offer useful information about the nature of the intervention and the skills it is affecting. We also demonstrate that variation in item-level treatment sensitivity can potentially complicate inferences about heterogeneous treatment effects ("Disentangling Person-Dependent and Item-Dependent Causal Effects: Applications of Item Response Theory to the Estimation of Treatment Effect Heterogeneity").

Information on above titles along with a full list of publications can be found in his CV.

Teaching

COURSES

2025-26

- Introduction to Psychometrics: EDUC 252 (Win)
- Introduction to Statistical Methods in Education: EDUC 400A (Aut)
- Simulation in Education Research: EDUC 452 (Spr)

2024-25

- Introduction to Statistical Methods in Education: EDUC 400A (Aut)
- Problems in Measurement: Item Response Theory: EDUC 353A (Win)
- Simulation in Education Research: EDUC 452 (Spr)

2023-24

- Introduction to Psychometrics: EDUC 252 (Win)
- Introduction to Psychometrics - Lab: EDUC 252L (Spr)
- Introduction to Statistical Methods in Education: EDUC 400A (Aut)

2022-23

- Introduction to Statistical Methods in Education: EDUC 400A (Aut)
- Problems in Measurement: Item Response Theory: EDUC 353A (Win)
- Simulation in Education Research: EDUC 452 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Kruttika Bhat, Wanjing Anya Ma, Gabriel Reyes

Postdoctoral Faculty Sponsor

Xingyao Xiao

Doctoral Dissertation Advisor (AC)

Hansol Lee, Ajay Tripathi, Lijin Zhang

Doctoral Dissertation Co-Advisor (AC)

Catie Connolly

Master's Program Advisor

Kazunori Fukuhara, Yuta Meguro, Savira Nadela, Mayank Sharma

Doctoral (Program)

Kruttika Bhat, Catie Connolly, Mike Hardy, Mridul Joshi, Hansol Lee, Yiqing Liu, Léon Marbach, Lijin Zhang

Publications

PUBLICATIONS

- **An introduction to the Item Response Warehouse (IRW): A resource for enhancing data usage in psychometrics.** *Behavior research methods*
Domingue, B. W., Braginsky, M., Caffrey-Maffei, L., Gilbert, J. B., Kanopka, K., Kapoor, R., Lee, H., Liu, Y., Nadela, S., Pan, G., Zhang, L., Zhang, S., Frank, et al
2025; 57 (10): 276
- **Estimating heterogeneous treatment effects with item-level outcome data: Insights from Item Response Theory** *JOURNAL OF POLICY ANALYSIS AND MANAGEMENT*
Gilbert, J. B., Himmelsbach, Z., Soland, J., Joshi, M., Domingue, B. W.
2025
- **The InterModel Vigorish as a Lens for Understanding (and Quantifying) the Value of Item Response Models for Dichotomously Coded Items.** *Psychometrika*
Domingue, B. W., Kanopka, K., Kapoor, R., Pohl, S., Chalmers, R. P., Rahal, C., Rhemtulla, M.
2024; 89 (3): 1034-1054
- **Heterogeneity of Item-Treatment Interactions Masks Complexity and Generalizability in Randomized Controlled Trials** *JOURNAL OF RESEARCH ON EDUCATIONAL EFFECTIVENESS*
Ahmed, I., Bertling, M., Zhang, L., Ho, A. D., Loyalka, P., Xue, H., Rozelle, S., Domingue, B. W.
2024
- **The InterModel Vigorish as a Lens for Understanding (and Quantifying) the Value of Item Response Models for Dichotomously Coded Items.** *Psychometrika*
Domingue, B. W., Kanopka, K., Kapoor, R., Pohl, S., Chalmers, R. P., Rahal, C., Rhemtulla, M.
2024
- **Ubiquitous Bias and False Discovery Due to Model Misspecification in Analysis of Statistical Interactions: The Role of the Outcome's Distribution and Metric Properties** *PSYCHOLOGICAL METHODS*
Domingue, B. W., Kanopka, K., Trejo, S., Rhemtulla, M., Tucker-Drob, E. M.
2022
- **Essay content and style are strongly related to household income and SAT scores: Evidence from 60,000 undergraduate applications.** *Science advances*
Alvero, A. J., Giebel, S., Gebre-Medhin, B., Antonio, A. L., Stevens, M. L., Domingue, B. W.
2021; 7 (42): eabi9031
- **The Earliest Origins of Genetic Nurture: The Prenatal Environment Mediates the Association Between Maternal Genetics and Child Development.** *Psychological science*
Armstrong-Carter, E., Trejo, S., Hill, L. J., Crossley, K. L., Mason, D., Domingue, B. W.
2020: 956797620917209
- **Short-term mental health sequelae of bereavement predict long-term physical health decline in older adults: US Health and Retirement Study Analysis.** *The journals of gerontology. Series B, Psychological sciences and social sciences*
Domingue, B. W., Duncan, L., Harrati, A., Belsky, D. W.
2020
- **Genetic analysis of social-class mobility in five longitudinal studies** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Belsky, D. W., Domingue, B. W., Wedow, R., Arseneault, L., Boardman, J. D., Caspi, A., Conley, D., Fletcher, J. M., Freese, J., Herd, P., Moffitt, T. E., Poulton, R., Slicinski, et al
2018; 115 (31): E7275–E7284
- **The social genome of friends and schoolmates in the National Longitudinal Study of Adolescent to Adult Health** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

- Domingue, B. W., Belsky, D. W., Fletcher, J. M., Conley, D., Boardman, J. D., Harris, K.
2018; 115 (4): 702–7
- **Mortality selection in a genetic sample and implications for association studies.** *International journal of epidemiology*
Domingue, B. W., Belsky, D. W., Harrati, A., Conley, D., Weir, D. R., Boardman, J. D.
2017
 - **Genetic Heterogeneity in Depressive Symptoms Following the Death of a Spouse: Polygenic Score Analysis of the U.S. Health and Retirement Study.** *American journal of psychiatry*
Domingue, B. W., Liu, H., Okbay, A., Belsky, D. W.
2017: appiajp201716111209-?
 - **Polygenic Risk Predicts Obesity in Both White and Black Young Adults** *PLOS ONE*
Domingue, B. W., Belsky, D. W., Harris, K. M., Smolen, A., McQueen, M. B., Boardman, J. D.
2014; 9 (7)
 - **Genetic and educational assortative mating among US adults** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Domingue, B. W., Fletcher, J., Conley, D., Boardman, J. D.
2014; 111 (22): 7996-8000
 - **Evaluating the Equal-Interval Hypothesis with Test Score Scales** *PSYCHOMETRIKA*
Domingue, B.
2014; 79 (1): 1-19
 - **How social and genetic factors predict friendship networks** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Boardman, J. D., Domingue, B. W., Fletcher, J. M.
2012; 109 (43): 17377-17381
 - **Signposts on the Path From Nominal to Ordinal Scales: Moving From a Discrete to a Continuous View.** *Educational and psychological measurement*
Nalbandyan, R., Gilbert, J. B., Franco, V. R., Domingue, B. W.
2026: 00131644261440556
 - **Evaluating Model Predictive Performance in Confirmatory Factor Analysis with Binary Outcomes Using the InterModel Vigorish.** *Multivariate behavioral research*
Zhang, L., Rahal, C., Kanopka, K., Ulitzsch, E., Zhang, Z., Domingue, B. W.
2026: 1-20
 - **Conditional Dependencies Between Response Time and Item Discrimination: An Item-Level Meta-Analysis.** *Educational and psychological measurement*
Gilbert, J. B., Young, W. S., Himmelsbach, Z., Ulitzsch, E., Domingue, B. W.
2026: 00131644261426972
 - **The Sensitivity of Value-Added Estimates to Test Scoring Decisions** *EDUCATIONAL MEASUREMENT-ISSUES AND PRACTICE*
Gilbert, J. B., Soland, J. G., Domingue, B. W.
2026; 45 (1)
 - **We need to understand economic inequality from children's perspectives.** *Communications psychology*
Brummelman, E., Ahl, R. E., Aurino, E., Besharati, S. N., Domingue, B. W., Lebel, C., Leonard, J. A., McCoy, D. C., Pesando, L. M., Urlacher, S. S., Yeager, D. S., Yip, J., McAuliffe, et al
2026; 4 (1): 27
 - **Differences in Reading Screening Accuracy by Percentile Cutoff and English Proficiency: Feature Selection and Group-Wise Prediction Evaluation** *READING RESEARCH QUARTERLY*
Siebert, J. M., Bell, P., Gutierrez, N., Zegers, M., Falke, E., Domingue, B. W., Petscher, Y., Catts, H., Yan, L., Duran, L., Gorno-Tempini, M.
2026; 61 (1)
 - **Item-Level Heterogeneity in Value Added Models: Implications for Reliability, Cross-Study Comparability, and Effect Sizes** *JOURNAL OF EDUCATIONAL AND BEHAVIORAL STATISTICS*

- Gilbert, J. B., Himmelsbach, Z., Miratrix, L. W., Ho, A. D., Domingue, B. W.
2025
- **A Beta Mixture Model for Careless Respondent Detection in Visual Analogue Scale Data** *PSYCHOMETRIKA*
Zhang, L., Domingue, B. W., Vogelsmeier, L. E., Ulitzsch, E.
2025: 1-24
 - **Bayesian factor mixture modeling with response time for detecting careless respondents.** *Behavior research methods*
Zhang, L., Ulitzsch, E., Domingue, B. W.
2025; 57 (10): 286
 - **Design and validation of a rapid visual processing measure for screening reading difficulties in early childhood.** *Behavior research methods*
Ramamurthy, M., Kanopka, K., Richie-Halford, A., Domingue, B. W., Pei, F., Bell, P., Yan, L., Hartsough, A., Gorno-Tempini, M. L., Yeatman, J. D.
2025; 57 (9): 237
 - **Estimating Causal Effects on Psychological Networks Using Item Response Theory** *PSYCHOLOGICAL METHODS*
Gilbert, J. B., Domingue, B. W., Kim, J. S.
2025
 - **Pace of Aging analysis of healthspan and lifespan in older adults in the US and UK.** *Nature aging*
Balachandran, A., Pei, H., Shi, Y., Beard, J. R., Caspi, A., Cohen, A. A., Domingue, B. W., Eckstein Indik, C., Ferrucci, L., Furuya, A., Kothari, M., Moffitt, T. E., Ryan, et al
2025
 - **Correcting for volunteer bias in GWAS increases SNP effect sizes and heritability estimates.** *Nature communications*
van Alten, S., Domingue, B. W., Faul, J., Galama, T., Marees, A. T.
2025; 16 (1): 3578
 - **Development and Validation of the Stanford Obstetric Recovery Checklist (STORK): A Delphi Consensus and Multicenter Clinical Validation Study.** *JAMA network open*
Sultan, P., Pandal, P., Murthy, A., Guo, N., Farber, M. K., Toledo, P., Higgins, N., Fiore, J. F., Domingue, B. W., Khorasani, E., Jensen, S. E., Lyell, D. J., Carvalho, et al
2025; 8 (4): e255713
 - **The InterModel Vigorish (IMV) as a flexible and portable approach for quantifying predictive accuracy with binary outcomes.** *PloS one*
Domingue, B. W., Rahal, C., Faul, J., Freese, J., Kanopka, K., Rigos, A., Stenhaug, B., Tripathi, A. S.
2025; 20 (3): e0316491
 - **Polytomous explanatory item response models for item discrimination: Assessing negative-framing effects in social-emotional learning surveys.** *Behavior research methods*
Gilbert, J. B., Zhang, L., Ulitzsch, E., Domingue, B. W.
2025; 57 (4): 109
 - **ROAR-CAT: Rapid Online Assessment of Reading ability with Computerized Adaptive Testing.** *Behavior research methods*
Ma, W. A., Richie-Halford, A., Burkhardt, A. K., Kanopka, K., Chou, C., Domingue, B. W., Yeatman, J. D.
2025; 57 (1): 56
 - **A Position-Sensitive Mixture Item Response Model** *JOURNAL OF EDUCATIONAL AND BEHAVIORAL STATISTICS*
Kanopka, K., Domingue, B. W.
2024
 - **Differences in Time Usage as a Competing Hypothesis for Observed Group Differences in Accuracy with an Application to Observed Gender Differences in PISA Data** *JOURNAL OF EDUCATIONAL MEASUREMENT*
Kapoor, R., Fahle, E., Kanopka, K., Klinowski, D., Ribeiro, A., Domingue, B. W.
2024
 - **Development and validation of a Spanish version of the Obstetric Quality of Recovery-10 item score (ObsQoR-10-Spanish).** *BJA open*
Guevara, J., Sánchez, C., Organista-Montaño, J., Domingue, B. W., Guo, N., Sultan, P.
2024; 10: 100269
 - **Reweighting UK Biobank corrects for pervasive selection bias due to volunteering.** *International journal of epidemiology*

- van Alten, S., Domingue, B. W., Faul, J., Galama, T., Marees, A. T.
2024; 53 (3)
- **Disentangling Person-Dependent and Item-Dependent Causal Effects: Applications of Item Response Theory to the Estimation of Treatment Effect Heterogeneity** *JOURNAL OF EDUCATIONAL AND BEHAVIORAL STATISTICS*
Gilbert, J. B., Miratrix, L. W., Joshi, M., Domingue, B. W.
2024
 - **A graph theory based similarity metric enables comparison of subpopulation psychometric networks.** *Psychological methods*
Ulitzsch, E., Khanna, S., Rhemtulla, M., Domingue, B. W.
2023
 - **Predicting pediatric healthcare provider use of virtual reality using a technology acceptance model.** *JAMIA open*
Wang, E. Y., Kennedy, K. M., Zhang, L., Qian, D., Forbes, T., Zuniga-Hernandez, M., Li, B. S., Domingue, B., Caruso, T. J.
2023; 6 (3): ooad076
 - **Reliability and validity of the Shona version of the Exercise Benefits and Barriers Scale in Zimbabwean adult people living with HIV/AIDS.** *Frontiers in psychiatry*
Dambi, J. M., Domingue, B., Abas, M., Chibanda, D., Esterhuizen, T. M.
2023; 14: 1188689
 - **A Multidimensional Partially Compensatory Response Time Model on Basis of the Log-Normal Distribution** *JOURNAL OF EDUCATIONAL AND BEHAVIORAL STATISTICS*
Ranger, J., Koenig, C., Domingue, B. W., Kuhn, J., Frey, A.
2023
 - **A Probabilistic Filtering Approach to Non-Effortful Responding** *EDUCATIONAL MEASUREMENT-ISSUES AND PRACTICE*
Ulitzsch, E., Domingue, B. W., Kapoor, R., Kanopka, K., Rios, J. A.
2023
 - **The distribution of child physicians and early academic achievement.** *Health services research*
Drescher, J., Domingue, B. W.
2023
 - **The mode effect of web-based surveying on the 2018 HRS measure of cognitive functioning.** *The journals of gerontology. Series B, Psychological sciences and social sciences*
Domingue, B. W., McCammon, R., West, B. T., Langa, K. M., Weir, D., Faul, J.
2023
 - **Progress and Challenges in GxE Research on Depression.** *The American journal of psychiatry*
Belsky, D. W., Domingue, B. W.
2023; 180 (2): 111-113
 - **Application essays and the ritual production of merit in US selective admissions** *POETICS*
Gebre-Medhin, B., Giebel, S., Alvero, A. J., Antonio, A., Domingue, B. W., Stevens, M. L.
2022; 94
 - **The Effect of COVID on Oral Reading Fluency During the 2020-2021 Academic Year** *AERA OPEN*
Domingue, B. W., Dell, M., Lang, D., Silverman, R., Yeatman, J., Hough, H.
2022; 8
 - **Virtual Immersion into a Poorly-Managed Medical Crisis Worsens Subsequent Performance: A Randomized, Controlled Trial** *CLINICAL SIMULATION IN NURSING*
Rama, A., Neiman, N., Burdsall, K., Fonseca, A., Lee, C., Domingue, B., Jackson, C., Caruso, T. J.
2022; 70: 47-55
 - **Estimating effects of parents' cognitive and non-cognitive skills on offspring education using polygenic scores.** *Nature communications*
Demange, P. A., Hottenga, J. J., Abdellaoui, A., Eilertsen, E. M., Malanchini, M., Domingue, B. W., Armstrong-Carter, E., de Zeeuw, E. L., Rimfeld, K., Boomsma, D. I., van Bergen, E., Breen, G., Nivard, et al
2022; 13 (1): 4801

- **Speed-Accuracy Trade-Off? Not So Fast: Marginal Changes in Speed Have Inconsistent Relationships With Accuracy in Real-World Settings** *JOURNAL OF EDUCATIONAL AND BEHAVIORAL STATISTICS*
Domingue, B. W., Kanopka, K., Stenhaug, B., Sulik, M. J., Beverly, T., Brinkhuis, M., Circi, R., Faul, J., Liao, D., McCandliss, B., Obradovic, J., Piech, C., Porter, et al
2022
- **Social mobility and biological aging among older adults in the United States.** *PNAS nexus*
Graf, G. H., Zhang, Y., Domingue, B. W., Harris, K. M., Kothari, M., Kwon, D., Muennig, P., Belsky, D. W.
2022; 1 (2): pgac029
- **Development and validation of a Portuguese version of Obstetric Quality of Recovery-10 (ObsQoR-10-Portuguese).** *Anaesthesia, critical care & pain medicine*
Mathias, L., Carlos, R. V., Siauly, M., Gabriades, P., Guo, N., Domingue, B., O'Carroll, J., Carvalho, B., Sultan, P.
2022: 101085
- **Positive associations between cannabis and alcohol use polygenic risk scores and phenotypic opioid misuse among African-Americans.** *PloS one*
Rabinowitz, J. A., Jin, J., Kuo, S. I., Campos, A. I., Rentería, M. E., Huhn, A. S., Thurl, J., Reboussin, B. A., Benke, K., Domingue, B., Jalongo, N. S., Maher, B. S., Kertes, et al
2022; 17 (4): e0266384
- **Estimating heritability of height without zygosity information for twins under five years in low- and middle-income countries: An application of normal finite mixture distribution models.** *SSM - population health*
Karlsson, O., Domingue, B. W., Kim, R., Subramanian, S. V.
2022; 17: 101043
- **Predictive Fit Metrics for Item Response Models** *APPLIED PSYCHOLOGICAL MEASUREMENT*
Stenhaug, B. A., Domingue, B. W.
2022: 136-155
- **Modeling Interaction and Dispersion Effects in the Analysis of Gene-by-Environment Interaction.** *Behavior genetics*
Domingue, B. W., Kanopka, K., Mallard, T. T., Trejo, S., Tucker-Drob, E. M.
2021
- **The Effects of Demographic-Based Selection Bias on GWAS Results in the UK Biobank**
van Alten, S., Domingue, B. W., Galama, T., Marees, A.
SPRINGER.2021: 748
- **Education Data Science: Past, Present, Future** *AERA OPEN*
McFarland, D. A., Khanna, S., Domingue, B. W., Pardos, Z. A.
2021; 7
- **FoGS provides a public FAQ repository for social and behavioral genomic discoveries.** *Nature genetics*
Martschenko, D. O., Domingue, B. W., Matthews, L. J., Trejo, S.
2021; 53 (9): 1272-1274
- **Variation in Respondent Speed and its Implications: Evidence from an Adaptive Testing Scenario** *JOURNAL OF EDUCATIONAL MEASUREMENT*
Domingue, B. W., Kanopka, K., Stenhaug, B., Soland, J., Kuhfeld, M., Wise, S., Piech, C.
2021
- **The Physiologic and Emotional Effects of 360-Degree Video Simulation on Head-Mounted Display Versus In-Person Simulation: A Noninferiority, Randomized Controlled Trial.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
Caruso, T. J., Armstrong-Carter, E., Rama, A., Neiman, N., Taylor, K., Madill, M., Lawrence, K., Hemphill, S. F., Guo, N., Domingue, B. W.
2021
- **Associations of Loneliness and Social Isolation with Healthspan and Lifespan in the US Health and Retirement Study.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
Crowe, C. L., Domingue, B. W., Graf, G. H., Keyes, K. M., Kwon, D., Belsky, D. W.
2021

- **Customizing CAT administration of the PROMIS Misuse of Prescription Pain Medication Item Bank for patients with chronic pain.** *Pain medicine (Malden, Mass.)*
You, D. S., Cook, K. F., Domingue, B. W., Ziadni, M. S., Hah, J. M., Darnall, B. D., Mackey, S. C.
2021
- **Rapid online assessment of reading ability.** *Scientific reports*
Yeatman, J. D., Tang, K. A., Donnelly, P. M., Yablonski, M., Ramamurthy, M., Karipidis, I. I., Caffarra, S., Takada, M. E., Kanopka, K., Ben-Shachar, M., Domingue, B. W.
2021; 11 (1): 6396
- **Young Children's Prosocial Behavior Protects Against Academic Risk in Neighborhoods With Low Socioeconomic Status.** *Child development*
Armstrong-Carter, E., Miller, J. G., Hill, L. J., Domingue, B. W.
2021
- **Genetics and Child Development: Recent Advances and Their Implications for Developmental Research** *CHILD DEVELOPMENT PERSPECTIVES*
Armstrong-Carter, E., Wertz, J., Domingue, B. W.
2021
- **Investigating the genetic architecture of noncognitive skills using GWAS-by-subtraction.** *Nature genetics*
Demange, P. A., Malanchini, M. n., Mallard, T. T., Biroli, P. n., Cox, S. R., Grotzinger, A. D., Tucker-Drob, E. M., Abdellaoui, A. n., Arseneault, L. n., van Bergen, E. n., Boomsma, D. I., Caspi, A. n., Corcoran, et al
2021; 53 (1): 35–44
- **Innovative methods to analyse the impact of gender norms on adolescent health using global health survey data.** *Social science & medicine (1982)*
Cislaghi, B., Weber, A. M., Shakya, H. B., Abdalla, S., Bhatia, A., Domingue, B. W., Mejía-Guevara, I., Stark, L., Seff, I., Richter, L. M., Baptista Menezes, A. M., Victora, C. G., Darmstadt, et al
2021; 293: 114652
- **Assessing the Impact of a Test Question: Evidence from the "Underground Railroad" Controversy** *EDUCATIONAL MEASUREMENT-ISSUES AND PRACTICE*
Dee, T. S., Domingue, B. W.
2020
- **Heteroscedastic regression modeling elucidates gene-by-environment interaction**
Domingue, B. W., Kanopka, K., Trejo, S., Tucker-Drob, E. M.
SPRINGER.2020: 451–52
- **Genetic associations between non-cognitive skills and educational outcomes: The role of parental environment**
Demange, P., Hottenga, J., Abdellaoui, A., Malanchini, M., Domingue, B., de Zeeuw, E., Rimfeld, K., van Bergen, E., Eley, T., Plomin, R., Boomsma, D., Breen, G., Nivard, et al
SPRINGER.2020: 446–47
- **Interactions between Polygenic Scores and Environments: Methodological and Conceptual Challenges** *SOCIOLOGICAL SCIENCE*
Domingue, B., Trejo, S., Armstrong-Carter, E., Tucker-Drob, E.
2020; 7: 465–86
- **Interactions between Polygenic Scores and Environments: Methodological and Conceptual Challenges.** *Sociological science*
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