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| Dubravka Svetina Valdivia, PhD | Curriculum Vitae |
| Department of Counseling and Educational Psychology (CEP)Qualitative and Quantitative Research Methodology (QQRM) ProgramIndiana University - Bloomington201 N. Rose Avenue, 4004, Bloomington IN 47405dsvetina@indiana.edu  |

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| **Education** |  |
| **Ph.D.** **Educational Psychology**, Arizona State University, May 2011 |  |
|  **Specialization:** *Measurement, Statistics, and Methodological Studies* |  |
| **M.A.** **Educational Psychology**, Arizona State University, December 2008 |  |
| **M.P.P. Public Policy**, University of Northern Iowa, May 2004 |  |
| **B.A.** **Political Science, German Language**, University of Northern Iowa, May 2002 |  |

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| **Professional Experience** |
| **Associate Professor, Qualitative & Quantitative Research Methodology** (July 2018 – Present) |
| Department of Counseling and Educational Psychology, Indiana University, Bloomington, IN |
| **Affiliate Faculty Member** (2023 – Present) |
| Center for Evaluation and Education Policy, Indiana University, Bloomington IN |
| **Assistant Professor, Inquiry Methodology** (August 2011 – June 2018) |
| Department of Counseling and Educational Psychology, IU−Bloomington, IN |
| **Research Assistant/Associate** (2005 – 2011)  |
| Department of Educational Psychology, Arizona State University, Tempe, AZ |
| **Teaching Instructor** (2010) |
| Department of Educational Psychology, Arizona State University, Tempe, AZ |
| **Research Assistant** (August 2009 - May 2010) |
| Department of Speech and Hearing Sciences, Arizona State University, Tempe, AZ |
| **Summer Psychometrics Intern** (Summer 2008) |
| CTB/McGraw-Hill, Monterey, CA |
| **Teaching Assistant** (Summer 2007, 2009, 2010) |
| Department of Educational Psychology, Arizona State University, Tempe, AZ |

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| **Grants and Contracts** |
| ***Submitted*** |
| 2024 | **Co-Investigator.** Emerging Sexual Behaviors and their Relationship to Health: A US Probability Survey of Adults. *Eunice Kennedy Shriver National Institute of Child Health and Development.* (PI: D. Herbenick). $3,091,813 |
| 2023 | **Co-Principal Investigator.** Collaborative Research: Assessing AI Learning Progressions for Grade 3-6 Students. *National Science Foundation.* (PI: C. Hmelo- Silver). $1,500,000 |
| ***Funded in Rank*** |
| 2022 | **Co-Principal Investigator.** Attributions of Mathematical Excellence in Teaching and Learning. *National Science Foundation.* (PI: E. Jacobson). $2,010,846. 2022-2025. |
| 2021 | **Principal Investigator.** Psychometric Properties of the Scales on the College and Beyond II Alumni Survey: Validity and Reliability Considerations. *University of Michigan.* $49,934. 2021-2022. |
| 2021 | **Principal Investigator.** Institute for Advanced Studies Working Group Research Fund. *Indiana University.* $8,000 2021. |
| 2019 | **Principal Investigator.** Global Evidence in Education Research Grant. The Institute for Advanced Study (IAS): Collaborative Research Grant. *Indiana University.* $10,000. 2019. |
| 2019 | **Principal Investigator.** Global Evidence in Education. Start Over Fund SOE. *Indiana University.* $4,000. 2019. |
| 2019 | **Recipient**. Sponsored travel for presenting at the 8th International Research Conference, Copenhagen, Denmark. IU’s Overseas Conference Grant. $1,000. 2019. |
| 2018 | **Principal Investigator.** Examining Longitudinal Measurement Equivalence: A Methodological Study with Practical Applications to Child Development (and Beyond). *SSRC Seed Grant Indiana University.* $5,100. 2018-2019. |
| ***Funded Prior to Last Promotion*** |
| 2017 | **Principal Investigator.** What Can We Learn from Baby FACES Assessment?: The Impact of Teacher Quality and the Classroom Environment on Children’s Cognitive and Social-emotional Scores. *Kempf Trust Grant Indiana University.* $19,000 plus student tuition/fee remission. 2017-2018. |
| 2017 | **Expert Consultant.** A Self-Determination Perspective on Barriers to and Facilitators of Travel After Spinal Cord Injury. Craig H. Nielsen Foundation. (PI: S. Cole, IU). $7,500. 2017-2018. |
| 2016 | **Principal Investigator for IU.** Embracing Heterogeneity in International Surveys: Optimal Test Design and Parameter Estimation. *Norwegian Research Council*, total awarded (PI: L. Rutkowski, University of Oslo; $1,612,380). IU’s share $90,000. 2016-2020. |
| 2013 | **Principal Investigator.** Impact of Testing Accommodations on Mathematics NAEP for Students with Disabilities: An Item Response Theory Approach. *Proffitt Grant Indiana University*, $19,000 plus student tuition/fee remission. 2013-2014 |
| 2013 | **Principal Investigator.** Examining Cultural Equivalence of TALIS Field Trial Data. *Organisation for Economic Co-*operation *and Development, OECD.* $4,290 (€1,250) 2013. |
| ***Unfunded in Rank*** |
| 2023 | **Co-Principal Investigator.** Hoosier Ready - Kindergarten Readiness Assessment. *Indiana State Department of Education.* (PI: C. Lubienski.) $22,419,981 |
| 2023 | **Co-Principal Investigator.** Identifying and Evaluating Consequences of Different Item Functioning in Multilevel Data. *National Council on Measurement in Education Mission Fund*. (Co-PI: S. Huang.) $20,000 |
| 2021 | **Co-Principal Investigator**. Inculcating Self-identity as a Responsible Scientist and Truth Seeker: An Intervention to Promote Ethical and Responsible Conduct by Emerging STEM Researchers. *National Science Foundation*. (PI: E. Mayo-Wilson). $399,898 |
| 2021 | **Co-Principal Investigator.** The Improved Wald Test for Differential Item Functioning (DIF) Evaluation with Multilevel Data. *IU’s Faculty Research Support Program – Seed Funding*. (Co-PI: S. Huang). $30,475 |
| 2020 | **Co-Principal Investigator** Inculcating Self-identity as a Responsible Scientist and Truth Seeker: An Intervention to Promote Ethical and Responsible Conduct by Emerging STEM Researchers. *National Science Foundation*. (PI: E. Mayo-Wilson). $599,385 |
| 2020 | **Co-Investigator.** Demographic Consequences of Intimate Aggression. *The National Institute of Child Health and Development.* (Co-PIs: D. Herbenick and L. Guerra-Reyes). $3,815,339 |
| 2019 | **Co-Principal Investigator**. Utilizing a Holistic Coaching Approach to Enhance Elementary Mathematics Teaching. *National Science Foundation*. (PI: Cross Francis). $2,999,399 |
| 2018 | **Co-Principal Investigator.** Creating Bold Problem Solvers and Advancing Equity in Mathematics. *National Science Foundation*. (PI: S. Lubienski). $1,749,093 |
| 2018 | **Principal Investigator for IU**. Collaborative Research: "Seeing Data": Data Visualization Literacy in the Introductory Life and Earth Science Classroom. National Science Foundation. (PIs: J. Harsh, Madison University). total amount $600,000 (IU’s share $204,118) |
| ***Unfunded Prior to Last Promotion*** |
| 2017 | **Key Personnel**. Evaluation of a Scale of Meaning-making between Children with Severe Communication Problems and Their Communication Partners. *National Institutes of Health*. (PI: E. Alant). |
| 2017 | **Principal Investigator for IU**. Collaborative Research: "Seeing Data": Data Visualization Literacy in the Introductory Life and Earth Science Classroom. *National Science Foundation*. (PIs: J. Harsh, Madison University & Stofer, University of Florida). total amount $600,000 (IU’s share $209,252) |
| 2015 | **Principal Investigator**. Assessing Graphing Literacy: Instrument Development. Proffitt Grant Indiana University. $19,000 plus student tuition/fee remission. |
| 2014 | **Co-Principal Investigator**. Assessing Multinational Interest in STEM – China. *National Science Foundation*. (PI: A. Maltese). $865,889 |
| 2014 | **Principal Investigator for IU.** Collaborative Research: Performance-Based Assessment of Undergraduate Researchers' Scientific Thinking Skills. *National Science Foundation*. IU’s share $138,634. |
| 2013 | **Co-Principal Investigator**. Mathematics Instruction and Assessment as Moderators of Student Risk Factors. *Institute of Education Sciences*. (PI: A. Howland). $564,317 |
| 2013 | **Psychometric and Statistical Consultant**. Iterative Model Building: A Program for Training Quality Teachers. *National Science Foundation*.(PIs: E. Galindo, V. Akerson, & M. Park-Rogers). $2,178,751 |
| 2013 | **Co-Principal Investigator**. Exploring Learning Potential in a Web-based Dynamic Assessment Tool. Indiana University Collaborative Research Grant. (Co-PI S-Y. Shin). $59,414 |

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| **Publications** |
| **(R = Research; T = Teaching; S = Service; † = work with students)** |

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| Google Scholar *h*-index = 21; Google Scholar Citations = 2380<https://scholar.google.com/citations?user=822TPVYAAAAJ&hl=en>  |

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| **Peer-Reviewed Journal Articles [J]** |
|  | ***Published in Rank*** |
| [J1] | R† | Lee, J., Kim, J., & Svetina Valdivia. (in press). The Longitudinal Relationship Be- tween Levels of Cognitively Stimulating Leisure Activity and Positive and Negative Affect Among Older Adults with MCI. Manuscript accepted for publication in *Psychogeriatrics*. <https://doi.org/10.1111/psyg.13083>  |
| [J2] | R | **Svetina** **Valdivia,** **D.**, & Dai, S. (2024) Number of response categories and sample size requirements in polytomous IRT models. *Journal of Experimental Education, 92*(1), 154-185. <https://doi.org/10.1080/00220973.2022.2153783>  |
| [J3] | R† | Joo, S., Valdivia, M, **Svetina** **Valdivia,** **D.**, & Rutkowski, L. Alternatives to Weighted Item Fit Statistics for Establishing Measurement Invariance in Many Groups. (2023). *Journal of Educational and Behavioral Statistics*. Advance online publication. <https://doi.org/10.3102/10769986231183326>  |
| [J4] | R | Huang, S., & **Svetina** **Valdivia,** **D.** (2023). Lord’s Wald chi-square test for differential item functioning evaluation with multilevel data*. Educational Psychological Measurement*. Advance online publication. <https://doi.org/10.1177/00131644231181688>  |
| [J5] | R† | **Svetina** **Valdivia,** **D.**, Rutkowski, L., Rutkowski, D., Canbolat Y., & Underhill, S. (2023). Test engagement and rapid guessing: Evidence from a large-scale state assessment. *Frontiers in Education, Vol. 8*. <https://doi.org/10.3389/feduc.2023.1127644>  |
| [J6] | R† | Rutkowski, L., Rutkowski, D., **Svetina** **Valdivia,** **D.**, Underhill, S., & Canbolat, Y. (2023). Measurement properties as a possible cause of digital device effects on a standardized assessment of learning. *Studies in Educational Evaluation, 77*. [https://doi.org/10.1016/j.stueduc.2023.101261](https://doi-org.proxyiub.uits.iu.edu/10.1016/j.stueduc.2023.101261)  |
| [J7] | R† | Rutkowski, D., Rutkowski, L., **Svetina** **Valdivia,** **D.**, Canbolat, Y., & Underhill, S. (2023). A Census-level, multi-grade analysis of the association between testing time, breaks, and achievement. *Applied Measurement in Education, 36*(1), 14-30. <https://doi.org/10.1080/08957347.2023.2172019>  |
| [J8] | R† | Valdivia Medinaceli, M., Rutkowski, L., **Svetina** **Valdivia,** **D.**, Rutkowski, D. (2023) Effects of DIF in MST routing in ILSAs. *Large-scale Assessments in Education, 11*, 22. <https://doi.org/10.1186/s40536-023-00165-9>  |
| [J9] | R† | Herbenick, D., Fu, T-C., Patterson, C., Rosenstock Gonzalez, Y. R., Luetke, M., **Svetina** **Valdivia,** **D.**, Eastman-Mueller, H., Guerra-Reyes, L., & Rosenberg, M. (2023). Prevalence and characteristics of choking/strangulation during sex: Findings from a probability survey of undergraduate students. *Journal of American College Health, 71*(4), 1059-1073. <https://doi.org/10.1080/07448481.2021.1920599>  |
| [J10] | R† | Ferrand, J., Walsh-Buhi, E., Dodge, B., **Svetina,** **D.**, & Herbenick, D. (2023). Variations in pre-exposure prophylaxis (PrEP) awareness and healthcare provider inter- actions in a nationally representative sample of American men aged 15-49 years: A cross-sectional study. *AIDS and Behavior, 27*(9), 2932-2943. <https://doi.org/10.1007/s10461-023-04016-0>  |
| [J11] | R† | **Svetina** **Valdivia,** **D.**, Herbenick, D., Tsung-chieh, F., Patterson, C., Gonzalez, Y. R., & Guerra Reyes, L. (2022). Psychometric evaluation of the meaning of rough sex scale: a Conditional covariance and item response theory approach. *Journal of Sex & Marital Therapy, 48*(6), 579-592. <https://doi.org/10.1080/0092623X.2022.2029781>  |
| [J12] | R | Paulsen, J., & **Svetina** **Valdivia,** **D.** (2022). Examining cognitive diagnostic modeling in classroom assessment conditions. *Journal of Experimental Education, 90*(4), 916-933. <https://doi.org/10.1080/00220973.2021.1891008>  |
| [J13] | R | Dai, S. & **Svetina** **Valdivia,** **D.** (2022). Dealing with missing responses in cognitive diagnostic modeling. *Psych*, *4*(2), 318-341. <https://doi.org/10.3390/psych4020028>  |
| [J14] | R† | **Svetina** **Valdivia,** **D.**, & Li, J. P. H. (2022). Psychometric properties and internal validity of the multidimensional existential meaning scale. *Measurement and Evaluation in Counseling and Development, 55*(3), 166-186. <https://doi.org/10.1080/07481756.2021.1998779>  |
| [J15] | R | Rutkowski, L., Liaw, Y.-L., **Svetina,** **D.**, & Rutkowski, D. (2022). Multistage testing in heterogeneous populations: Some design and implementation considerations. *Applied Psychological Measurement, 46*(6), 494-508. <https://doi.org/10.1177/01466216221108123>  |
| [J16] | R | Herbenick, D., Fu, T. C., Eastman-Mueller, H., Thomas, S., **Svetina** **Valdivia,** **D.**, Rosenberg, M., Guerra-Reyes, L., Wright, P. J., Kawata, K., & Feiner, J. R. (2022). Frequency, method, intensity, and health sequelae of sexual choking among U.S. undergraduate and graduate students. *Archives of Sexual Behavior, 51*, 3121–3139.  <https://doi.org/10.1007/s10508-022-02347-y>  |
| [J17] | R† | Hanauer, M., & **Svetina** **Valdivia,** **D.** (2022). Validation and utility study of the 10 item brief adult health capital scale (BACHS-10*). Journal of Health Psychology, 27*(2), 332-340. <https://doi.org/10.1177/1359105320953469>  |
| [J18] | R | Herbenick, D., Fu, T. C., Kawata, K., Eastman-Mueller, H., Guerra-Reyes, L., Rosen- berg, M., & **Svetina** **Valdivia,** **D.** (2022). Non-Fatal strangulation/choking during sex and its associations with mental health: Findings from an undergraduate probability survey. *Journal of Sex & Marital Therapy, 48*(3), 238–250. <https://doi.org/10.1080/0092623X.2021.1985025>  |
| [J19] | R† | Zhang, J., **Svetina** **Valdivia,** **D.**, & Byon, K. K. (2022) An Item response theory analysis of residents’ perceived positive event impact*. Journal of Global Sport Management, 7*(4), 615-643. <https://doi.org/10.1080/24704067.2020.1731701>  |
| [J20] | R† | Herbenick, D., Tsung-chieh, F., **Svetina** **Valdivia,** **D.**, Patterson, C., Gonzalez, Y. R., Guerra Reyes, L., Eastman-Mueller, H. P., Beckmeyer, J., & Rosenberg, M. (2021). What is rough sex, who does it and who likes it? Findings from a campus probability sample of undergraduate students. *Archives of Sexual Behavior, 50*, 1183–1195. <https://doi.org/10.1007/s10508-021-01917-w>  |
| [J21] | R† | Herbenick, D., Tsung-chieh, F., Patterson, C., Gonzalez, Y. R., Guerra Reyes, L. **Svetina** **Valdivia,** **D.**, Beckmeyer, J., & Rosenberg, M. (2021). Diverse sexual behaviors in undergraduate students: Findings from a campus probability survey. *Journal of Sexual Medicine, 18(*6), 1024-1041. <https://doi.org/10.1016/j.jsxm.2021.03.006>  |
| [J22] | R† | McCullough, K. M., & **Svetina** **Valdivia,** **D.** (2021). Using item response theory to examine the self-construal scale with Asian American college students in the contiguous United States. *Asian American Journal of Psychology, 12*(1), 16-25. <https://doi.org/10.1037/aap0000219>  |
| [J23] | R | Dubasik, V. L., & **Svetina** **Valdivia,** **D.** (2021). School-based speech language pathologists’ adherence to practice guidelines for assessment of English learners. *Language, Speech, and Hearing Services in Schools, 52*(2), 485-496. <https://doi.org/10.1044/2020_lshss-20-00037>  |
| [J24] | R | **Svetina,** **D.**, Rutkowski, L., & Rutkowski, D. (2020). Multiple-Group invariance with categorical outcomes using updated guidelines: An Illustration using M*plus* and the lavaan/semTools packages. *Structural Equation Modeling: A Multidisciplinary Journal, 27*(1), 111-130. <https://doi.org/10.1080/10705511.2019.1602776>  |
| [J25] | R | Paul, K. M., Maltese, A. & **Svetina,** **D.** (2020). Development and validation of the role identity surveys in engineering (RIS-E) and STEM (RIS-STEM) for elementary students. *International Journal of STEM Education, 7(*45). [https://doi.org/10.1186/s40594- 020-00243-2](https://doi.org/10.1186/s40594-%20020-00243-2)  |
| [J26] | R | Cole, S., & **Svetina** **Valdivia,** **D.** (2020). Developing a facilitators scale in the con- text of travel: ReTRIP. *Archives of Rehabilitation Research and Clinical Translation, 2:*100042. <https://doi.org/10.1016/j.arrct.2020.100042>  |
| [J27] | R/S | Valdez, D., Vorland, C. J., Brown, A. W., Mayo-Wilson, E., Otten, J., Ball, R., Grant, S. Levy, R., **Svetina** **Valdivia,** **D.**, & Allison, D. B. (2020) Improving open and rigorous science: ten key future research opportunities related to rigor, reproducibility, and transparency (RRT) in scientific research. *F1000Research,* *9*:1235 <https://doi.org/10.12688/f1000research.26594.1>  |
| [J28] | R† | Paulsen, J., **Svetina,** **D.**, Feng, Y., & Valdivia, M. (2020). Examining the impact of differential item functioning on classification accuracy in cognitive diagnostic models. *Applied Psychological Measurement, 44*(4), 267-281. <https://doi.org/10.1177/0146621619858675>  |
| [J29] | R | Dai, S., Wang, X., & **Svetina,** **D.**. (2019). The Application of minimum discrepancy estimation. *Behaviorometrika, 46*(2), 453-481. [http://dx.doi.org/10.1007%2Fs41237-019-00094-4](http://dx.doi.org/10.1007/s41237-019-00094-4) |
| [J30] | R† | Gabana, N. T., Steinfeldt, J., Wong, Y. J., Chung, Y. B., & **Svetina,** **D.** (2019). Attitude of gratitude: Exploring the implementation of a gratitude intervention with college athletes. *Journal of Applied Sport Psychology, 31*(3), 273-284. <https://doi.org/10.1080/10413200.2018.1498956>  |
| [J31] | R | Rutkowski, L., **Svetina,** **D.**, & Liaw, Y-T. (2019). The effects of collapsing ordered categorical variables on tests of measurement invariance. *Structural Equation Modeling: A Multidisciplinary Journal, 26*(5), 790-802. <https://doi.org/10.1080/10705511.2018.1547640>  |
| [J32] | R | **Svetina,** **D.**, Liaw, Y-T., Rutkowski, L., & Rutkowski, D. (2019). Routing strategies and optimizing design for multistage testing in international large-scale assessments. *Journal of Educational Measurement, 56*(1), 192-213. <https://doi.org/10.1111/jedm.12206>  |
| [J33] | R | Wang, X., **Svetina,** **D.**, & Dai, S. (2019). Exploration of factors affecting the necessity of reporting test subscores. *Journal of Experimental Education, 87*(2), 179-192. <https://doi.org/10.1080/00220973.2017.1409182>  |
| [J34] | R | Jacobson, E., & **Svetina,** **D.** (2019). Prescribing structure for validation arguments: Elemental, structural, and ecological validity. *Applied Measurement in Education, 32*(1), 43-59. <https://doi.org/10.1080/08957347.2018.1544137>  |
| [J35] | R | Cole, S., **Svetina,** **D.**, & Whiteneck, G. (2019) Developing a barriers scale in the con- text of travel: TRIP. *Archives of Physical Medicine and Rehabilitation, 100*(1), 52-59. <https://doi.org/10.1016/j.apmr.2018.07.424>  |
| [J36] | R† | **Svetina,** **D.**, Feng, Y., Paulsen, J., Valdivia, M., Valdivia, A., & Dai, S. (2018). Examining DIF in the context of CDMs when the Q-matrix is Misspecified. *Frontiers in Psychology*, 9. <https://doi.org/10.3389/fpsyg.2018.00696>  |
| [J37] | R | Dai, S., **Svetina,** **D.**, & Chen, C. (2018). Investigation of missing responses in Q- Matrix validation. *Applied Psychological Measurement, 42*(8), 660-676. <https://doi.org/10.1177/0146621618762742>  |
|  | ***Published******Prior******to******Last******Promotion*** |
| [J38] | R | **Svetina,** **D.**, & Rutkowski, L. (2017). Multidimensional measurement invariance in an international context: Fit measure performance with many groups. *Journal of Cross-Cultural Psychology, 48*(7), 991-1008. <https://doi.org/10.1177/0022022117717028>  |
| [J39] | R† | **Svetina,** **D.**, Dai, S., & Wang, X. (2017). Use of cognitive diagnostic model to study differential item functioning in accommodations. *Behaviorometrika, 44(*2), 313-349. <https://doi.org/10.1007/s41237-017-0021-0>  |
| [J40] | R† | **Svetina,** **D.**, Valdivia, A., Underhill, S., Dai, S., & Wang, X. (2017). Parameter recovery in multidimensional item response theory models under complexity and nonormality. *Applied Psychological Measurement, 41*(7), 530-544 <https://doi.org/10.1177/0146621617707507>  |
| [J41] | R† | Dai, S., **Svetina,** **D.**, & Wang, X. (2017). Reporting Subscores Using R: A Software Review. *Journal of Educational and Behavioral Statistics, 42*(5), 617-638. <https://doi.org/10.3102/1076998617716462>  |
| [J42] | R | Rutkowski, L., & **Svetina,** **D.** (2017). Measurement invariance in international surveys: Categorical indicators and fit measure performance. *Applied Measurement in Education, 30*(1), 39-51. <https://doi.org/10.1080/08957347.2016.1243540>  |
| [J43] | R | **Svetina,** **D.**, & Levy, R. (2016). Dimensionality in compensatory MIRT when complex structure exists: Evaluation of DETECT and NOHARM. *Journal of Experimental Education, 84*(2), 398-420. <https://doi.org/10.1080/00220973.2015.1048845>  |
| [J44] | R† | Levy, R., Xu, Y., Yel, N., & **Svetina,** **D.** (2015). A Standardized generalized dimensionality discrepancy measure and a standardized model-based covariance for dimensionality assessment for multidimensional models. *Journal of Educational Measurement, 52*(2), 144-158. <https://www.jstor.org/stable/43940562>  |
| [J45] | R | Maltese, A., Harsh, J. A., & **Svetina,** **D.** (2015). Data visualization literacy: Investigating data interpretation along the novice – expert continuum. *Journal of College Science Teaching, 45*(1), 84-90. <https://www.jstor.org/stable/43631889>  |
| [J46] | R | Baldonado, A. A., **Svetina,** **D.**, & Gorin, S. J. (2015). Using necessary information to identify item dependence in passage-based reading comprehension tests. *Applied Measurement in Education, 28*(3), 202-218. <https://doi.org/10.1080/08957347.2015.1042154>  |
| [J47] | R | **Svetina,** **D.**, & Rutkowski, L. (2014). Detecting differential item functioning using generalized logistic regression in the context of large-scale assessments. *Large-Scale Assessment in Education, 2:*4. <https://doi.org/10.1186/s40536-014-0004-5>  |
| [J48] | R | **Svetina,** **D.**, & Levy, R. (2014). A framework for dimensionality assessment for multidimensional item response models: A methodological review*. Educational Assessment, 19*(1), 35-57. <https://doi.org/10.1080/10627197.2014.869450>  |
| [J49] | R | Rutkowski, L., & Svetina D. (2014). Assessing the hypothesis of measurement in- variance in the context of large-scale assessments. *Educational and Psychological Measurement, 74*(1), 31-57. <https://doi.org/10.1177/0013164413498257>  |
| [J50] | R | Dubasik, V., & **Svetina,** **D.** (2014). Estimating parent-teacher agreement over time on reports of Spanish-English productive vocabulary. *Language, Speech, and Hearing Services in Schools, 45*(4), 325-336. <https://doi.org/10.1044/2014_LSHSS-13-0044>  |
| [J51] | R | **Svetina,** **D.** (2013). Assessing dimensionality in noncompensatory MIRT with com- plex structure. *Educational and Psychological Measurement, 73*(2), 312-338. <https://doi.org/10.1177/0013164412461353>  |
| [J52] | R† | **Svetina,** **D.**, Crawford, A. A., Levy, R., Green, S. B., Scott, L., Thompson, M., Gorin, J. S., Fay, D., Kunze, K. (2013). Designing small-scale tests: A simulation study of parameter recovery with the 1-PL. *Psychological Test and Assessment Modeling, 55*, 335-360. |
| [J53] | R | **Svetina,** **D.**, & Levy, R. (2012). An overview of software for conducting dimensionality assessment in multidimensional models. *Applied Psychological Measurement, 36*(8), 659-669. <https://doi.org/10.1177/0146621612454593>  |
| [J54] | R | Gray, S., Brinkely, S., & **Svetina,** **D.** (2012). Word learning by preschoolers with SLI: Effect of phonotactic probability and object familiarity. *Journal of Speech, Language, and Hearing Research, 55*(5), 1289-1300. [https://doi.org/10.1044/1092-4388(2012/11-0095)](https://doi.org/10.1044/1092-4388%282012/11-0095%29) |
| [J55] | R | **Svetina,** **D.**, Gorin, J. S., & Tatsuoka, K. K. (2011). Defining and comparing the reading comprehension construct: A cognitive-psychometric modeling approach. *International Journal of Testing, 11*(1), 1-23. <https://doi.org/10.1080/15305058.2010.518261>  |
| [J56] | R | Levy, R., & **Svetina,** **D.** (2011). A generalized dimensionality discrepancy measure for dimensionality assessment in multidimensional item response theory. *British* *Journal of Mathematical and Statistical Psychology, 64*(2)*,* 208-232. <https://psycnet.apa.org/doi/10.1348/000711010X500483>  |
| [J57] | R† | Ferrara, S., **Svetina,** **D.**, Skucha, S., & Davidson, A. (2011). Test development with standard setting and growth in mind. *Educational Measurement: Issues and Practice, 30*(4), 3-15. <https://doi.org/10.1111/j.1745-3992.2011.00218.x>  |
| [J58] | R† | Crawford, A. V., Green, S. B., Levy, R., Lo, W. J., Scott, L., **Svetina,** **D.**, & Thompson, M. S. (2010). Evaluation of parallel analysis methods for determining the number of factors. *Educational and Psychological Measurement, 70*(6), 885-901. <https://doi.org/10.1177/0013164410379332> *Note*: Authorship listed alphabetically. |

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| **Book** **Chapters** **[BC]** |
|  | ***Published******in******Rank*** |
| [BC1] | R | Rutkowski, L., Rutkowski, D., & **Svetina,** **D.** (2022). Multi-stage testing in large scale assessment. In T. Nilsen, A. Stancel-Piatak, J. Gustafson (Eds.) *International Handbook of Comparative Large-scale Studies in Education: Perspectives, Methods and Findings*. Springer International Handbooks of Education. |
|  | ***Published******Prior******to******Last******Promotion*** |
| [BC2] | R† | Brown, N. J. S., **Svetina,** **D.,** & Dai, S. (2015). Analyzing NAEP data at the construct level. In P. Kloosterman, D. Mohr, & C. Walcott (Eds.) *What mathematics do students know and how is that knowledge changing? Evidence from the National Assessment of Educational Progress*. Information Age Publishing. |
| [BC3] | R† | Brown, N. J. S., Dai, S., & **Svetina,** **D.** (2015). Analyzing NAEP data at the item level. In P. Kloosterman, D. Mohr, & C. Walcott (Eds.) *What mathematics do students know and how is that knowledge changing? Evidence from the National Assessment of Educational Progress.* Information Age Publishing. |
| [BC4] | R | Gorin, J. S., & **Svetina,** **D.** (2012). Cognitive psychometric models as a tool for reading assessment engineering. In J. Sabatini, T. O’Reilly, & E. R. Albro (Eds.) *Reaching an understanding: Innovations in how we view reading assessment.* Rowman & Littlefield Education. |
| [BC5] | R | Gorin, J. S., & **Svetina,** **D.** (2011). Test design with higher order cognition in mind. In G. Schraw (Ed.). *Current perspectives on cognition, learning, and instruction: Assessment of higher order thinking skills*. Information Age Publishing. |

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| **Peer-Reviewed** **Conference** **Proceedings** **[CP]** |
|  | ***Published******in******Rank*** |
| [CP1] | R | Chakraburty, S., Hmelo-Silver, C. E., Glazewski, K. D., Ottenbreit-Leftwich, A., Kim,J., Johnson,V., **Svetina** **Valdivia,** **D.,** Mott, B.  & Lester, J. (in press). Validating a Hypothetical Learning Progression (LP) to Support Upper Elementary School Students to Learn and Apply Artificial Intelligence Concepts. In *Proceedings of the 18th International Conference of the Learning Sciences-ICLS 2024,* International Society of the Learning Sciences. |

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| **Software** **Authored** **[SA]** |
| [SA1] | R | Dai, S., Wang, X., & **Svetina,** **D.** (2022). subscore: Subscore computing functions in classical test theory. (R package version 3.3) [Computer software]. [http://CRAN.R-project.org/package=subscore](http://CRAN.R-project.org/package%3Dsubscore)  |
| [SA2] | R | Dai, S., Wang, X., & **Svetina,** **D.** (2021). TestDataImputation: Missing item responses imputation for test and assessment data. (R package version 2.3) [Computer soft- ware]. [http://CRAN.R-project.org/package=TestDataImputation](http://CRAN.R-project.org/package%3DTestDataImputation)  |
| **Reports** **and** **Other** **Published** **Work** **[O]** |
|  | ***Published******in******Rank*** |
| [O1] | S | Brysbaert, M., Bakk, Z., Buchanan, E.M. et al. Into a new decade. (2021). *Behavior Research Methods 53*, 1–3. <https://doi.org/10.3758/s13428-020-01497-y>  |
|  | ***Published******Prior******to******Last******Promotion*** |
| [O2] | R | Rutkowski, L., & **Svetina,** **D.** (2013). OECD TALIS Expert Paper on Measurement Equivalence Method. Paper commissioned by the Organisation for Economic Co- operation and Development. |
| [O3] | R/S† | Chiang, Y-C., et al., (2011). Using Value Added Models to Evaluate Teacher Preparation Programs. Paper commissioned by the Dean Gerardo Gonzalez, Indiana University. |
| [O4] | S | **Svetina,** **D.** (2011). Book review: Rupp, A., Templin, J., & Henson, R. A. (2010). Di- agnostic Measurement: Theory, Methods, and Applications. New York, NY: Guilford Press. *Journal of Educational Measurement, 48*(2), 223-228. <https://doi.org/10.1111/j.1745-3984.2011.00141.x>  |
| [O5] | R | Gorin, J. S., & **Svetina,** **D.** (2008b). SAT Critical Reading Q-Matrix Study: LLTM Analysis of Q-matrix Attributes. Technical report submitted to the College Board. |
| [O6] | R | Gorin, J. S., & **Svetina,** **D.** (2008a). SAT Critical Reading Q-Matrix Study: Preliminary Attribute Generation and Coding. Technical Report submitted to the College Board. |

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| **Manuscripts** **Under** **Review** **[UR]** |
| [UR1] | R† | **Svetina** **Valdivia**, **D.**, Huang, S., & Potter, B. Detecting Differential Item Functioning in Presence of Multilevel Data: Do Methods Accounting for Multilevel Data Structure Make a DIFference?. Manuscript submitted for publication. |
| [UR2] | R† | Hu, T.-L., & **Svetina** **Valdivia**, **D.** Assessing the Psychometric Properties of Quality Experience in Undergraduate Research Using Item Response Theory. Manuscript submitted for publication. |
| [UR3] | R† | Chakraburty, S., Hmelo-Silver, C., **Svetina** **Valdivia,** **D.**, & Glazewski, K. Measuring upper-elementary students’ understanding of AI concepts - A Rasch model analysis. Manuscript submitted for publication. |
| [UR4] | R | Herbenick, D., Fu, T-C, Patterson, C., Guerra-Reyes, L., Eastman-Mueller, H., & **Svetina** **Valdivia,** **D.** Choking/Strangulation during sex and its association with condom and contraceptive use. Manuscript submitted for publication. |
| [UR5] | R | Lee, J., Kim, J., & **Svetina Valdivia, D.** A Longitudinal analysis of different levels of cognitively stimulating leisure activity and cognitive function among older adults with MCI. Manuscript submitted for publication. |

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| **Manuscripts** **in** **Preparation** **[IP]** |
| [IP1] | R† | **Svetina** **Valdivia,** **D.**, Withrow, A., Bulut, Ok., & Walsh, P. Impact of reversals in categories on IRT model fit and parameter recovery. Manuscript in preparation for publication. |
| [IP2] | R† | Botter, P., **Svetina** **Valdivia,** **D.**, & Dai, S. A Comparison of model fit cutoffs among latent variable when fit to categorical data. Manuscript in preparation for publication. |
| [IP3] | R | Valdivia, M., Joo, S., **Svetina** **Valdivia,** **D.**, & Rutkowski, L. Linearizing the root mean-squared deviation. Manuscript in preparation for publication. |
| [IP4] | R | **Svetina** **Valdivia,** **D.**, Joo, S., Valdivia, M., & Rutkowski, L. Comparison of methods to detect DIF in skewed distributions in polytomous models. Manuscript in preparation for publication. |
| [IP5] | R† | †**Svetina** **Valdivia,** **D.**, Sarraf, S., Valdivia, M., & Li, J. Measurement invariance in longitudinal IRT models. Manuscript in preparation for publication. |
| [IP6] | R | Goodwill, J. & **Svetina** **Valdivia,** **D.**, Are all items created equal? Testing for measurement invariance in the PHQ-9 measure of depression among Black women and men. Manuscript in preparation for publication. |
| [IP7] | R† | Rutkowski, L., Withrow, A., Rutkowski, D., & **Svetina** **Valdivia,** **D.** Survival analysis: A model for understanding test-quitting behavior cross-nationally. Manuscript in preparation for publication. |
| [IP8] | R | **Svetina** **Valdivia,** **D.**, & Herbenick, D. Psychometric properties of the genital scale. Manuscript in preparation for publication. |
| [IP9] | R† | Jiang, S. Brummett, K. J., **Svetina Valdivia, D.**, Williams, A., & Byon, K. K. Developing and validating the athlete fan identification scale (AFIS). Manuscript in preparation for publication. |
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| **Statistical** **Workshops** **Taught** **(Invited)** |
| 2024 | **Quantitative** **Analysis:** **Concepts** **&** **Applications**. Center for Research on Race and Ethnicity in Society, Indiana University. (online) |
| 2023 | **Conducting** **Quantitative** **Analyses**. Center for Research on Race and Ethnicity in Society, Indiana University. |
| 2022 | **Measurement** **Invariance** **in** **Presence** **of** **Ordinal** **Data:** **Part** **1**. Department of Psychosomatic Medicine and Psychotherapy, University Medical Centre, Mainz, Germany. (online) |
| 2022 | **Measurement** **Invariance** **in** **Presence** **of** **Ordinal** **Data:** **Part** **2**. Department of Psychosomatic Medicine and Psychotherapy, University Medical Centre, Mainz, Germany. (online) |
| 2017 | **Quantitative** **Research** **and** **Data** **Analysis**. University of Prishtina, Kosovo. (in conjunction with the Transformational Leadership Program - Scholarships and Partnerships at University of Prishtina, the Center for International Education, Development and Research, World Learning, and USAID) |

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| **Presentations** **[P]** |
|  | ***Presented******in******Rank******(out******of******72)*** |
| [P1] | R† | Chakraburty, S., Hmelo-Silver, C., **Svetina** **Valdivia,** **D.**, & Glazewski, K.. (2024, June). *Validating a hypothetical learning progression (LP) to support upper elementary school students to learn and apply artificial intelligence concepts.* Paper to be presented at the annual meeting of the International Society of the Learning Sciences, Buffalo, NY, United States. |
| [P2] | R† | Jiang, B., Brummet, K., **Svetina** **Valdivia,** **D.**, Williams, A., & Byon, K. (2024, May). *Developing and validating the athlete fan identification scale (AFIS) using classical and modern approaches.* Poster to be presented at the annual meeting of the North American Society for Sport Management (NASSM), Minneapolis, MN, United States. |
| [P3] | R† | Jacobson, E., Jessup, N., **Svetina** **Valdivia,** **D.**, Gustaveson, A., & Yavuz, S. (2024, February). *A Survey instrument to raise awareness of mathematics teacher equity beliefs: Foundations and applications.* Workshop presented at the annual meeting of the Association of Mathematics Teacher Educators, Orlando, FL, United States. |
| [P4] | R | Jacobson, E., N. Jessup, **Svetina** **Valdivia,** **D.** (2023, October). *Common views about mathematical success increase the risk of racist, sexist discourses.* Paper presented at the National Council of Teachers of Mathematics, Washington, DC. United States. |
| [P5] | R† | Zhao, H, Cole, S., Omodior, K., & **Valdivia, D. S.** (2023, June). *Recreation participation’s impact on people aging with spinal cord injury: A Longitudinal study*. Paper presented at the 53rd Annual Travel and Tourism Research Association (TTRA) International Conference. St. Louis, MO, United States. |
| [P6] | R† | Valdivia Medinaceli, M. B., Rutkowski, L., **Svetina** **Valdivia,** **D.**, & Joo, S. (2023, April*). Linearizing the item characteristic curve for detecting differential item functioning.* Paper presented at the annual meeting of the National Council on Measurement in Education. Chicago, IL, United States. |
| [P7] | R | Huang, S. &, **Svetina** **Valdivia,** **D.**, Joo, S. (2023, April). *Lord’s Wald Chi-square test for differential item functioning: Evaluation with multilevel data*. Paper presented at the annual meeting of the National Council on Measurement in Education. Chicago, IL, United States. |
| [P8] | R† | Sarraf, S. &, **Svetina** **Valdivia,** **D.**, Joo, S. (2023, April). *Missing data in college surveys: A Monte Carlo simulation study.* Paper presented at the annual meeting of the National Council on Measurement in Education. Chicago, IL, United States. |
| [P9] | R† | Ferrand, J., Walsh-Buhi, E., Dodge, B., **Svetina,** **D.**, & Herbenick, D. (2022, November). *Variations in pre-exposure prophylaxis (PrEP) awareness and healthcare provider interactions in a nationally representative sample of American men aged 15-49 years: A cross-sectional study.* Paper presented at the Society for the Scientific Study of Sexuality Annual Meeting. Vancouver, BC |
| [P10] | R | **Svetina** **Valdivia,** **D.**, & Dai, S. (2022, April*). Number of response categories and sample size requirements in polytomous IRT models*. Paper presented at the annual meeting of the National Council on Measurement in Education. San Diego, CA, United States. |
| [P11] | R† | Valdivia Medinaceli, M., Joo, S., Rutkowski, L., & **Svetina** **Valdivia,** **D.** (2022, April). *Alternatives to weighted item fit statistics for establishing measurement invariance.* Paper presented at the annual meeting of the National Council on Measurement in Education. San Diego, CA, United States. |
| [P12] | R† | **Svetina** **Valdivia,** **D.**, Valdivia Medinaceli, M., & Sarraf, S. (2022, April). *Impact of composite creation in detecting DIF in longitudinal growth curve models.* Poster presented at the annual meeting of the National Council on Measurement in Education. San Diego, CA, United States. |
| [P13] | R† | **Svetina** **Valdivia,** **D.**, Liaw, Y-T., Rutkowski, L., Valdivia, M. B., & Rutkowski, D.(2021, June). *Examination of item characteristics in multi-stage testing in large-scale assessments.* Paper presented at the annual meeting of International Testing Commission. (online) |
| [P14] | R† | **Svetina** **Valdivia,** **D.**, Gross, R. A., Sarraf, S., & Li, J. (2020, September). *Composite creation’s impact on longitudinal model’s performance in detecting measurement noninvariance.* Paper presented at the annual meeting of National Council on Measurement in Education. (online) |
| [P15] | R† | Sarraf, S., & **Svetina** **Valdivia,** **D.** (2020, September). *Addressing missing data in college surveys: A Person parameter recovery investigation.* Paper presented at the annual meeting of the National Council on Measurement in Education. (online) |
| [P16] | R† | Valdivia, M., **Svetina** **Valdivia,** **D.**, & Rutkowski, L. (2020, September). *DIF in MST: Routing in the context of international large-scale assessments*. Presentation presented at the annual meeting of National Council on Measurement in Education. (online) |
| [P17] | R† | Gross, R. A., & **Svetina,** **D.** (2020, July). *Robustness of latent growth curve models to longitudinal measurement non-invariance.* Invited talk.International Meeting of the Psychometric Society. (online) |
| [P18] | R† | Rutkowski, L., Withrow, A., Rutkowski, D., & **Svetina, D.** (2020, June). *Survival models in international assessment: A model for understanding quitting behavior*. Presented at the annual meeting of the International Meeting of the Psychometric Society. (online) |
| [P19] | R | **Svetina,** **D.**. (2019, October). *Being open and sharing: A Path to transparency and beyond.* Invited talk. Presented at the Rigor, Reproducibility, and Transparency (RRT) at the Interdisciplinary Interface Workshop/Conference. Indiana University, Bloomington, IN. |
| [P20] | R | **Svetina,** **D.**, Liaw, Y-T., Rutkowski, L. (2019, June). *The Future of international assessment?: The Promise and challenge of a multistage design in IEA studies.* Paper presented at the 8th International Research Conference, Copenhagen, Denmark. |
| [P21] | R | **Svetina,** **D.**, Liaw, Y-T., Rutkowski, L., & Rutkowski, D. (2019, April). *Routing strategies and optimizing design for multistage testing in international large-scale assessments.* Paper presented at the annual meeting of the National Council on Measurement in Education, Toronto, Ca. |
| [P22] | R† | Feng, Y., Valdivia, M., **Svetina,** **D.**, & Paulsen, J. (2019, April). *The Impact of restrictive models and Q-matrix misspecification on classification accuracy.* Paper presented at the annual meeting of the National Council on Measurement in Education, Toronto, Ca. |
| [P23] | R† | Paulsen, J., Valdivia, M., **Svetina,** **D.**, & Feng, Y. (2019, April). *Examining the impact of differential item functioning on classification accuracy in cognitive diagnostic models.* Paper presented at the annual meeting of the National Council on Measurement in Education, Toronto, Ca. |
| [P24] | R† | Gross, R. A., & **Svetina, D.** (2019, March). *Modeling development when the construct itself changes over time: A longitudinal measurement invariance methodological study.* Poster presented at the Society for Research in Child Development biennial meeting, Baltimore, MD. |
| [P25] | R† | Zhang, J., Byon, K. K., **Svetina,** **D.**, & Wooyoung, W. (2018, September). *Examining residents perceived measures of positive event impact using item response theory.* Paper presented at the 26th EASM European Sport Management Conference, Malmo¨, Sweden. |
| [P26] | R† | **Svetina,** **D.** , Valdivia, A., Feng, Y., Valdivia, M., Paulsen, J., & Dai, S. (2018, April). *Examining DIF in the context of CDMs when the Q-matrix is misspecified.* Paper presented at the annual meeting of the National Council on Measurement in Education, New York, NY |
| [P27] | R† | Feng, Y., & **Svetina,** **D.** (2018, April). *A Comparison of C-RUM and MIRT in item parameters and classification accuracy.* Poster presented at the annual meeting of the National Council on Measurement in Education, New York City, NY. |
| [P28] | R | Liaw, Y-L., Rutkowski, L., & **Svetina,** **D.** (2018, April). *The Effects of collapsing ordered categorical variables on tests of measurement invariance*. Paper presented at the annual meeting of the National Council on Measurement in Education, New York City, NY. |
| [P29] | R | Dai, S., & **Svetina,** **D.** (2018, April). *Impact of Q-matrix and assessment designs on application of cognitive diagnostic models.* Paper presented at the annual meeting of the American Educational Research Association, New York, NY. |
| [P30] | R | Dai, S., Wang, X., & **Svetina,** **D.** (2018, April). *A Further investigation of the generalized dimensionality discrepancy measure for (Multi)Dimensionality assessment.* Paper presented at the annual meeting of the National Council on Measurement in Education, New York, NY. |
|  | ***Presented******Prior******to******Last******Promotion*** |
| [P31] | R | Valdivia, A. & **Svetina,** **D.** (2017, August). *Heuristic, machine-learning based measure to detect violations of local independence in IRT.* Poster presented at the annual meeting of the American Psychological Association, Washington, DC. |
| [P32] | R | Valdivia, A. & **Svetina,** **D.** (2017, August). *Teaching sampling and confidence intervals through active engagement and learning.* Poster presented at the annual meeting of the American Psychological Association, Washington, DC. |
| [P33] | R | Rutkowski, L., **Svetina,** **D.**, & Liaw, Y-C. (2017, June). *Symposium Embracing het- erogeneity in international large-scale assessments.* Paper presented at the 7th IEA International Research Conference, Prague, Czech Republic. |
| [P34] | R† | Dai, S., **Svetina,** **D.**, & Chen, C. (2017, April). *Dealing with missingness in cognitive diagnostic models when the Q-matrix is misspecified.* Paper presented at the annual meeting of the National Council on Measurement in Education, San Antonio, TX. |
| [P35] | R† | Wang, X., **Svetina,** **D.**, Dai, S. & Zhang, O. (2017, April). *How much can we gain from collateral information for subscore reporting?* Paper presented at the annual meeting of the National Council on Measurement in Education, San Antonio, TX. |
| [P36] | R† | Dai, S., **Svetina,** **D.**, & Wang, X. (2017, April). *Making multilevel diagnostic inferences in large-scale assessments. (Coordinated Session)*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Antonio, TX. |
| [P37] | R† | Dai, S., & **Svetina,** **D.** (2017, April). *Investigation and treatment of missing responses in implementation of cognitive diagnostic models.* Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX. |
| [P38] | R† | Dai, S., Wang, X., **Svetina,** **D.**, Underhill, S., & Feng, Y. (2017, April). *The application of minimum discrepancy estimation in implementation of cognitive diagnostic models*. Paper presented at the annual meeting of the American Educational Research Association, San Antonio, TX. |
| [P39] | R | **Svetina,** **D.** (2016, September). *Understanding what students know: Gaining insights through NAEP data.* Invited presentation at Center for Evaluation and Educational Policy, Indiana University, Bloomington, IN. |
| [P40] | R | **Svetina,** **D.** & Rutkowski, L. (2016, April). *Measurement invariance in international large-scale assessments: Ordered-categorical outcomes in a multidimensional con- text.* Paper presented at the annual meeting of the National Council on Measurement in Education, Washington, DC. |
| [P41] | S | **Svetina,** **D.** (2016, April). *Work-Life Balance. A Myth?* Presentation given at Inquiry Methodology Brownbag, Counseling and Educational Psychology Department, Indiana University, Bloomington, IN. |
| [P42] | R† | Wang, X., **Svetina,** **D.**, & Dai, S. (2016, April). *Exploration of factors affecting the necessity of reporting test subscores.* Paper presented at the annual meeting of the National Council on Measurement in Education, Washington, D.C. |
| [P43] | R† | Underhill, S., **Svetina,** **D.**, Valdivia, A., Dai, S., & Wang, X. (2016, April). *Parameter recovery in multidimensional item response theory models under complexity and nonormality.* Paper presented at the annual meeting of the National Council on Measurement in Education, Washington, DC. |
| [P44] | R/S | **Svetina,** **D.** (2015, October). *To simulate or not to simulate?* Presentation given at the IU Psychometricians, Bloomington, IN. |
| [P45] | R† | **Svetina,** **D.**, Dai, S., & Wang, X. (2015, April). *Accommodations and NAEP: Going beyond differential item functioning.* Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL. |
| [P46] | R† | Dai, S., **Svetina,** **D.**, & Brown, N. J. S. (2015, April). *Predicting skipping behavior in NAEP mathematics assessment: A multi-level modeling approach*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL. |
| [P47] | R | Rutkowski, L., & **Svetina,** **D.** (2015, April). *Measurement invariance in international surveys: Categorical indicators & fit measure performance*. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL. |
| [P48] | R | **Svetina,** **D.**, & Rutkowski, L. (2014, August). *Detecting DIF using generalized logistic regression in context of large-scale assessments.* Poster presented at the annual meeting of the American Psychological Association, Washington, DC. |
| [P49] | R† | **Svetina,** **D.**, & Wang, X. (2014, April). *Examination of different methods to test for invariance in accommodations when mixture data formats exist: Illustration of the NAEP.* Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA. |
| [P50] | R† | Wang, X., **Svetina,** **D.**, & Zhang, O. (2014, April). *Performance comparison between parametric and nonparametric DIF methods.* Poster presented at the annual meeting of the National Council on Measurement in Education, Philadelphia, PA. |
| [P51] | R† | Brown, N. J. S., Dai, S., & **Svetina,** **D.** (2014, April). *Predictors of omitted responses on the 2009 NAEP mathematics assessment.* Poster presented at the annual meeting of the American Educational Research Association, Philadelphia, PA. |
| [P52] | R | Brown, N. J. S., **Svetina,** **D.**, & Dai, S. (2014, April*). Impact of methods of scoring omitted responses on achievement gaps.* Paper presented at the annual meeting of the National Council on Measurement in Education, Philadelphia, PA. |
| [P53] | R | **Svetina,** **D.** (2013, April). *Complex item structure recovery in multidimensional item response theory.* Poster presented at the annual meeting of the American Educational Research Association, San Francisco, CA. |
| [P54] | R | Rutkowski, L., & **Svetina D.** (2013, April). *Assessing the hypothesis of measurement invariance in the context of large-scale assessments.* Paper presented at the annual meeting of National Council on Measurement in Education, San Francisco, CA. |
| [P55] | R | **Svetina,** **D.** (2012, April). *Assessing dimensionality in noncompensatory MIRT with complex structure.* Paper presented at the annual meeting of the National Council on Measurement in Education, Vancouver, British Columbia, CA. |
| [P56] | R | **Svetina,** **D.**, & Levy, R. (2012, April). *Dimensionality in compensatory MIRT when complex structure exists: Evaluation of DETECT and NOHARM.* Paper presented at the annual meeting of the American Educational Research Association, Vancouver, British Columbia. |
| [P57] | R | **Svetina,** **D.** (2011, October). *Current methods in assessing the structure of item responses: A closer look at NOHARM and DETECT.* Paper presented at Inquiry Methodology Brownbag, Counseling and Educational Psychology Department, Indi- ana University, Bloomington, IN. |
| [P58] | R† | Green, S. B., Levy, R., Thompson, M. S., Lu, M., Lo, W. J., **Svetina,** **D.**, Crawford, A. V., & Scott, L. (2011, April). *Use of completely random data to assess the number of factors with parallel analysis: An empirical evaluation of a conceptual flaw and its correction.* Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA. |
| [P59] | R | Gorin, J. S., & **Svetina,** **D.** (2010, May). *Cognitive and psychometric innovations in item difficulty modeling.* Paper presented at the annual meeting of the American Educational Research Association, Denver, CO. |
| [P60] | R | Levy, R., & **Svetina,** **D.** (2010, May). *A framework for characterizing dimensionality assessment and overview of current approaches.* Paper presented at the annual meeting of the National Council on Measurement in Education, Denver, CO. |
| [P61] | R† | Crawford, A. V., Green, S. B., Levy, R., Lo, W. L., Scott, L., **Svetina,** **D.**, & Thompson, M. S. (2009, April). *Evaluation of parallel analysis methods for determining the number of factors.* Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA. Note: authors ordered alphabetically. |
| [P62] | R† | Ferrara, S., **Svetina,** **D.**, Davidson, A., & Skucha, S. (2009, April). *Knowledge and skill demands of items that indicate grade-to-grade growth for setting performance standards.* Paper presented at the invited symposium at the annual meeting of the National Council on Measurement in Education, San Diego, CA. |
| [P63] | R | Levy, R., & **Svetina,** **D.** (2009, April). *Dimensionality assessment for multidimensional item response theory via posterior predictive model checking*. Paper presented at the annual meeting of the National Council on Measurement in Education, San Diego, CA. |
| [P64] | R† | Ferrara, S., **Svetina,** **D.**, & Davidson, A. (2008, July). *Coding frameworks to illuminate achievement test item response demands: Empirical support and two types of applications.* Paper presented to the research department at CTB/McGraw-Hill, Monterey, CA. |
| [P65] | R | **Svetina,** **D.** (2008, October). *Cognitive attributes for SAT critical reading items: Expert ratings of primary and secondary skills.* Paper presented at annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT. |
| [P66] | R | Gorin, J. S., Rupp, A., & **Svetina,** **D.** (2008, March*). An HLM analysis of reading comprehension item difficulty factors.* Paper presented at the annual meeting of the American Educational Research Association, New York City, NY. |
| [P67] | R | **Svetina,** **D.**, Gorin, J. S., & Tatsuoka, K. (2008, March). *A cognitive model to inform item difficulty in reading comprehension: An application of Rule-space methodology.* Paper presented at the annual meeting of the American Educational Research Association, New York City, NY. |
| [P68] | R | **Svetina,** **D.**, Gorin, J. S., & Tatsuoka, K. (2007, April). *Item difficulty modeling: Cognitive model to inform item difficulty in reading comprehension items.* Poster presented at the annual meeting of the National Council on Measurement in Education, Chicago, IL. |
| [P69] | R† | O’Brien, J., & **Svetina,** **D.** (2006, April). *Are engagement indicators in mathematics learning related to higher mathematics literacy scores?* Paper presented at the 3rd annual Graduate Students Social Science Symposium. Arizona State University, Tempe, AZ. Note: Authors ordered alphabetically. |
| [P70] | R | **Svetina,** **D.** (2006, April). *Strategies for problem solving in reading: Evidence from eye-tracking.* Poster presented at the 3rd annual Graduate Students Social Science Symposium. Arizona State University, Tempe, AZ. |
| [P71] | R | Gorin, J. S., Blanchard, J., & **Svetina,** **D.** (2006, January). *Empirical examinations of TargetTeach effectiveness.* Paper presented at the annual workshop of Evan-Newton, Inc. |
| [P72] | R | **Svetina,** **D.** (2001, May). *Water resource management and the role of the United Nations.* Paper presented at the Moscow State Linguistic University, Moscow, Russia. |

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| **Courses** **Taught** |
| ***Graduate******Courses******Taught******in******Qualitative******and******Quantitative******Research******Methodology******Program*** |
|  | EDUC – 527: Educational Assessment and Psychological Measurement (in person, online) |
|  | EDUC – 617: Psychometric Theory (in person, online) |
|  | EDUC – 627: Advanced Item Response Theory (in person) |
|  | EDUC – 502: Intermediate Statistics Applied to Education (graduate course, in person, online) |
| ***Undergraduate******Courses******Taught******in******Qualitative******and******Quantitative******Research******Methodology******Program*** |
|  | EDUC – 402: Introduction to Statistics (online) |

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| **Student** **Mentorship** **and** **Committees** |
| ***Note:***My mentoring and dissertation committee involvement spans across my program (Qualitative and Quantitative Research Methodology; QQRM), School of Education, and other Schools across the Indiana University (most notably with students in School of Public Health and Second Language Studies). Below, I list only completed dissertations (with an exception of my own current advisees). |
| **PhD.** **Dissertation** **Advising** |
| ***Doctoral******Dissertation******Committees******Chaired******in******Rank*** |
|  | Kevin Naaman (dual major in QQRM and Biostatistics; co-chair with Doug Landsittel; proposal in preparation) |
|  | Shimon Sarraf Li (QQRM; proposal in preparation) |
|  | Preston Botter (QQRM; in progress) |
|  | Jiangqiong Li (QQRM; completed 2024)  |
|  |  | **Awards** **and** **Honors:**Participant in the NAEP Data Training Workshop (2023); awarded Summer Internship at the National Clearing House (2020) |
|  | Stephanie Underhill (QQRM; completed 2022) |
|  |  | **Awards** **and** **Honors:**IU CEP Richard C. Pugh Research Fellowship (2021); IU CEP Research Fellowship (2020); Outstanding Associate Instructor Award (2020); IU SOE Dean’s Fellowship (2014-2018) |
|  | Matthew Hanauer (QQRM; co-chair with David Rutkowski; completed 2022) |
|  | Yanan Feng (QQRM; completed 2021) |
|  |  | **Awards** **and** **Honors:**Dissertation of the Year from AERA's Cognition and Assessment Special Interest Group (national award; 2022); Sloan Equity and Inclusion in STEM Introductory Courses (SEISMIC) Group, USA- Graduate Student Travel Award (2020); IU CEP Research Fellowship (2019); Dr. Harrison Hedley Way Research Fellowship (2019); The Richard C. Pugh Research Methodology Fellowship (2019); The Graduate and Professional Student Government (GPSG) Travel Award (2019); Trentham Travel Fund (2017-2019); The Faculty Doctoral Fellowship (2015 - 2018); The Proffitt Fellowship (2015) |
|  | Rachel Gross (dual major; QQRM & Human Development, co-chair with Anne Stright; completed 2020) |
|  |  | **Awards** **and** **Honors:**Delivered the Blalock Lecture in Advanced Topics in Social Research (2019; Inter-university Consortium for Political and Social Research (ICPSR) Summer Program at the University of Michigan); P.E.O. International Scholar Award Dissertation Fellowship (2019); IU Research Fellowship (2018); Achasa Beechler Dissertation Proposal Fellowship 2019); Society for Research in Child Development - Graduate Student Travel Award (2019); Society for Research in Child Development - Dissertation Research Funding Award (2018); Myrtle M. Scott Research Award (2017, 2018); Richard C. Pugh Research in Methodology Fellowship (2018); Outstanding Associate Instructor Teaching Award (2017); Scholarship for Developmental, Child, and Family Psychology (2017); Program Scholar (Inter-university Consortium for Political and Social Research; Summer Program in Quantitative Methods of Social Research); Trentham Travel Award (2016, 2017); Dr. Harrison Hedley Way Fellowship (2017); Dr. Carole A. Ames Fellowship (2016); Faculty Doctoral Fellowship (2016-2018) |
|  | Justin Paulsen (QQRM; completed 2019) |
|  |  | **Awards** **and** **Honors:**Awarded prestigious Summer Psychometrics internship ACT, Iowa City, IA on Assessment Transformation Team (summer 2018); Dr. Harrison Hedley Way Fellowship (2018); CEP Research Fellowship (2017); Faculty Doctoral Fellowship, Indiana University (2015-2019) |
| ***Doctoral******Dissertation******Committees******Chaired******Prior******to******Last******Promotion*** |
|  | Shenghai Dai (QQRM; completed 2017) |
|  | Xiaolin Wang (QQRM; completed 2017) |
|  | Arnulfo Perez (C&I; co-chair with Pete Kloosterman) |
| ***Doctoral******Dissertation******Committees******Member******in******Rank******(completed******dissertation******only)*** |
|  | Gina Romano (QQRM; completed 2023) |
|  | Zack Pedersen (Public Health; completed 2023) |
|  | Jungjoo Lee (Public Health; completed 2023) |
|  | Ryan Lidster (Second Language Studies; completed 2023) |
|  | Hyejin Park (Public Health; completed 2023) |
|  | Andy Adams (Educational Leadership and Policy Studies; completed 2023) |
|  | Xinyue Liu (Special Education; completed 2022) |
|  | Claudia Day (CEP; completed 2022) |
|  | Pavneet Kaur Bharaj (Math Education; completed 2022) |
|  | Jean Young Chun (Second Language Studies; completed 2022) |
|  | Michael Lee Roach (Math Education; completed 2022) |
|  | Jingxian Cecilia Zhang (Public Health; completed 2022) |
|  | Yan Zhou (QQRM; completed 2021) |
|  | Yena Park (Second Language Studies; completed 2021) |
|  | Yi-Chen Chiang (QQRM; completed 2021) |
|  | Emma G. Everson (Educational Leadership and Policy Studies; completed 2021) |
|  | Fatimah S. A. M. Ahmad (Math Education; completed 2021 ) |
|  | Nelson O. O. Zounlome (CEP; completed 2021) |
|  | WooYoung Jang (Public Health; completed 2020) |
|  | Yue Li (CEP; completed 2020) |
|  | Aerin M. Welch (CEP; completed 2019) |
|  | Lindsey Ogle (Special Education; completed 2019) |
|  | Roshan Lamichhane (Science Education; completed 1029) |
|  | Aaron James Butler (CEP; completed 2018) |
|  | Steven Scott Graunke (Educational Leadership and Policy Studies; completed 2018) |
|  | I. Shujaa Keino Miller (CEP; completed 2018) |
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| ***Doctoral******Dissertation******Committees******Member******Prior******to******Last******Promotion*** |
|  | Shitao Chen (Public Health; completed 2017) |
|  | Nicole T. Gabana (CEP; completed 2017) |
|  | Tao Liu (CEP; completed 2017) |
|  | Mina Min (International Comparative Education; completed 2017) |
|  | Andrew Zaitsoff (CEP; completed 2016) |
|  | Aubrette Kinne (CEP; completed 2016) |
|  | Yan Huang (Public Health; completed 2014) |
|  | Meihua Qian (QQRM; 2014) |

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| **Professional** **memberships** **and** **activities*****Note:***I routinely serve as a proposal reviewer, session chair and/or discussant at the annual meetings of AERA (Division D; Cognition and Assessment SIG) and NCME. Below, I list my activities related to various committees and leadership positions (elected and nominated/selected). |
| ***American Educational Research Association (AERA)*** |
|  | AERA Elected Leadership Positions |
|  | **Chair**, Cognition and Assessment Special Interest Group (SIG; 2018-2021) |
|  | **Vice-Chair**, Cognition and Assessment SIG (2015-2018) |
|  | **Program Chair**, Cognition and Assessment SIG (2014) |
|  | AERA Leadership Positions/Committee Activities |
|  | Member, Early Career Award, Division D (2022-2023) |
|  | **Overall Chair**, Annual Meeting Programming Committee Division D (2019-2020) |
|  | **Chair**, Section 1 Programming Committee Division D (2019-2020) |
|  | **Co-Chair**, Section 1 Programming Committee Division D (2018-2019) |
|  | **Chair**, Graduate Student Seminar Committee, Division D (2016-2018) |
|  | **Assistant Chair**, Graduate Student Seminar Committee, Division D (2015–2016) |
|  | Ad-hoc Reviewer for Outstanding Dissertation, Cognition and Assessment SIG (2013) |
|  | Contributor, Cognition and Assessment SIG Newsletter (2013-2014) |
|  | Senior Graduate Student Representative, Division D (2009-2010) |
|  | Junior Graduate Student Representative, Division D (2008-2009) |
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| ***National Council on Measurement in Education (NCME)*** |
|  | NCME Leadership Positions/Committee Activities |
|  | **Inaugural Chair**, Large-scale Assessment Methodology Special Interest Group in Measurement in Education (2019-2022) |
|  | **Faculty Mentor**, NCMentorship (2016 – present) |
|  | Member, Archives Committee (2018-2020) |
|  | **Faculty Mentor**, Graduate Student Issues Committee (2015-2018) |
|  | Contributor,NCME Newsletter (2010-2012) |
|  | **Chair**, Graduate Student Issues Committee (2008-2009) |
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| ***American Psychological Association (APA)*** |
|  | APA Committee Activities |
|  | **Chair**, Membership Committee, Division 5 (2014-2015) |
|  | **Co-Chair**, Membership Committee, Division 5 (2013-2014) |

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| **Editorial service****Summary*:***As an Associate Editor for *Behavior Research Methods* journal (IF = 5.4), I handle approximately 40 manuscripts per year. For *The Frontiers*, I edit on average 4-6 manuscripts a year. Over the years, I have contributed to reviewing manuscripts as an ad hoc reviewer for both methodological and substantive journals.  |
|  | **Associate Editor:***Behavior Research Methods* (2020 – present) |
|  | **Associate Editor:***Frontiers in Psychology*: Section Quantitative Psychology and Measurement (2017 – present) |
|  | **Ad Hoc Reviewer:***Educational and Psychological Measurement, Psychometrika, Journal of Educational and**Behavioral Statistics, Multivariate Behavioral Research, Behavior Research Methods, Journal of Educational Measurement, Journal of Experimental Education, International Journal of Testing, Large-scale Assessment in Education; Educational Psychology, the Frontiers Open Journal (Quantitative Psychology and Measurement; Education), American Journal of Speech-Language Pathology, Psychology of Men & Masculinity.* |

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| **Other Academic service**  |
|  | **External Tenure Reviewer**, George Mason University (2022) |
|  | **External Tenure Reviewer**, University of Arkansas (2020) |
|  | **External Tenure Reviewer**, Texas A&M - Corpus Christi (2019) |

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| **Other Professional service**  |
|  | **Member**, Indiana Continuing Legal Education Commission Advisory Panel for Attorney Specialization (2023 – present) |
|  | **Faculty Mentor**, Student advisor for AP Research, East Hamilton High School, Ooltewah, TN (2022-2023) |
|  | **Faculty Associate**, Mentor to a Fulbright Visiting Scholar (2017-2019) |

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| **Service to Indiana University (IU)** |
|  | ***Service to the University*** |
|  | **Member**, (*elected*) Bloomington Faculty Council (BFC; 2021-2023) |
|  | Member, Faculty Affairs Committee (BFC; 2022-2023) |
|  | Member, Faculty Search Committee, School of Public Health (2022-2023) |
|  | Member, Student Conduct Code Hearing Commission, IU (2015-2022) |
|  | Member, Long Range Planning Committee, BFC (2019-2020) |
|  | Member, Student Affairs Committee (2013-2014) |
|  | Analyst Advisor for Psychometric Analysis for HAPS (2013) |
|  | Judge, Women in Science Research Conference (2012) |
|  | ***Service to the School of Education (SOE)*** |
|  | Member, Graduate Studies, Recruitment, Admissions, & Financial Aid (2022 – present) |
|  | **Faculty Mentor**, Holmes Scholars (2022 – present) |
|  | **Faculty Mentor**, Faculty Network Mentoring Program (2023 – present)  |
|  | **Chair**, SOE Space Usage Task Force (2021) |
|  | Member, Grievance Committee (2021) |
|  | Member, R & D, External Partnerships Committee (2018 – 2021) |
|  | Member, International Programs Committee (2016 – 2018) |
|  | Member, Faculty Development Committee (2012-2015) |
|  | Contributor, APA Task Force Commentary (2013) |
|  | Member, SOE Value-Added Modeling Initiative Committee (2011-2012) |
|  | ***Service to the Department of Counseling and Educational Psychology*** |
|  | **Chair**, 3rd Year Review Committee (2024) |
|  | **Faculty Mentor** for Pre-tenure Faculty (2020 – present)  |
|  | Member, 3rd Year Review Committee (2022) |
|  | Member, Departmental Annual Merit Review Committee (2022) |
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|  | ***Service to the Qualitative and Quantitative Research Methodology (QQRM) Program*** |
|  | **Program Coordinator** – I will assume this role July 2024 for a 3-year term |
|  | **Co-Chair**, Program Review Committee (2018-2019) |
|  | Member, Faculty Search Committee (2016) |
|  | Member, Faculty Search Committee (2013) |

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| **Professional Awards and Academic Honors** |
| 2023 | **Recipient,** Indiana University Award for Outstanding Research SOE |
| 2022 | **Recipient,** Indiana University Trustees’ Teaching Award |
| 2021 | **Nominated,** Indiana University Trustees’ Teaching Award |
| 2020 | **Finalist** US Department of Education, USA National Assessment Governing Board (NAGB) Member, Measurement Expert |
| 2014 | **Recipient** Indiana University Trustees’ Teaching Award |
| 2014 | **Recipient**, University of Northern Iowa Graduate College Outstanding Alumni Recognition |
| 2011 | **Recipient**, **Svetina, D.**, Gorin, J. S., & Tatsuoka, K. Most read online article. *International Journal of Testing* |
| 2011 | **Recipient**, College Board Scholarship |
| 2006 | **Recipient**, Graduate College Fellowship, Arizona State University |
| 2005 | **Recipient**, Newcomer Graduate Assistant of the Year, Oklahoma State University |

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| **Professional Development**  |
| 2019 | NAEP Winter Training Workshop  |
| 2012 | Multidimensional Item Response Theory: Theory and Applications and BMIRT, LinkMIRT, and SimuMIRT Software; NCME  |
| 2012 | Test Equating Methods and Practices; NCME  |
| 2011 | Bayesian Networks in Educational Assessment; NCME |
| **Professional Memberships**  |
| 2007 – present | National Council on Measurement in Education (NCME) |
| 2006 – 2022; 2024 – present  | American Educational Research Association (AERA) |
| 2012 – 2018; 2023 – present  | American Psychological Association (APA) |
| 2010 – 2012 | Northeast Educational Research Association (NERA) |