MICHAEL MATTA

Department of Psychological, Health, and Learning Sciences
University of Houston
Houston, TX 77204

ACADEMIC POSITIONS

2021 – present   **Research Scientist** in School Psychology.
Mentors: Milena A. Keller-Margulis and Sterett H. Mercer.
Department of Psychological, Health, and Learning Sciences, University of Houston.

2019 – 2020   **Postdoctoral Fellow** in School Psychology.
Mentors: Milena A. Keller-Margulis and Sterett H. Mercer.
Department of Psychological, Health, and Learning Sciences, University of Houston.

2018 – 2019   **Postdoctoral Research Associate** in School Psychology.
Mentors: Robert J. Volpe and Amy M. Briesch.
Department of Applied Psychology, Northeastern University.

POSTGRADUATE TRAINING IN ADVANCED PSYCHOMETRICS

2022   Modern Missing Data Analysis (CenterStat).

Longitudinal Structural Equation Modeling (CenterStat).

2021   Applied Machine Learning in R (Pittsburgh Summer Methodology Series).

Machine Learning: Theory and Applications (CenterStat).

Categorical Structural Equation Modeling (Statistical Horizons).

Introduction to Structural Equation Modeling (CenterStat).

EDUCATION & LICENSURE

2014 – 2018   **Ph.D.** in Clinical Psychology, Mentor: Margherita Lang.
Licensed Psychologist (Italy).
University of Milano Bicocca

2017 – 2018   **Visiting Short-Term Scholar**, Mentor: W. Joel Schneider.
Illinois State University and Temple University.

2014 – 2016   **Graduate program certificate** in Psychological Assessment and Clinical Interviews.
Association for the Research in Clinical Psychology (A.R.P.).

2011 – 2014   **M.D.** in Clinical Psychology.
University of Milano Bicocca

2008 – 2011   **B.S.** in Psychology, *cum laude*.
University of Milano Bicocca

AWARDS AND HONORS

2022	Postdoctoral Career Enhancement Award ($995.00), University of Houston.
	Invited to School Psychology Research Collaboration Conference (SPRCC) ($800.00), Society for the Study of School Psychology, February 13-14, 2022, Boston, MA.
	Editorial Appreciation Award, School Psychology Review.
2021	Postdoctoral Travel Award ($425.00), University of Houston.
	SMEP Minority Workshop Award ($795.00), Society of Multivariate Experimental Psychology.
	Postdoctoral Career Enhancement Award ($895.00), University of Houston.
2020	Service Award, School Psychology Review.

GRANTS

Matta, M. (2022, under review). *Cross-Cultural Adaptation of Automated Approaches to Scoring Writing*, ($49,997.00). Spencer Foundation, Small Research Grants Program in Education.

Matta, M. (2021, funded). *Assessing the Simple View of Writing in School-Aged Students with ADHD*, ($15,000.00). Woodcock Institute, Research Grant.

Matta, M. (PI), Keller-Margulis, M., & Mercer, S. H. (Mentors) (2020, funded). *Differential Racial/Ethnic Predictive Validity of Written-Expression Curriculum-Based Measurement (WE-CBM) and Automated WE-CBM (aWE-CBM)*, ($20,000.00). Society for the Study of School Psychology (SSSP), Early Career Research Award (ECRA).

REFEREED JOURNAL ARTICLES

Matta, M., Mercer, S. H., & Keller-Margulis, M. A. (in press). Implications of Bias in Automated Writing Quality Scores for Fair and Equitable Assessment Decisions. *School Psychology.* https://doi.org/10.1037/spq0000517

Matta, M., Keller-Margulis, M. A., & Mercer, S. H. (2022). Cost analysis and cost effectiveness of hand-scored and automated approaches to writing screening. *Journal of School Psychology, 92,* 80–95. https://doi.org/10.1016/j.jsp.2022.03.003

Matta, M., Mercer, S. H., & Keller-Margulis, M. A. (2022). Evaluating validity and bias for hand-calculated and automated Written Expression Curriculum-Based Measurement scores. *Assessment in Education: Principles, Policy & Practice*, *29*(2), 200–218. https://doi.org/10.1080/0969594X.2022.2043240

Landry, L. N., Keller-Margulis, M., **Matta, M.**, Kim, H., Gonzalez, J., & Schanding, T. (2021). Long-term validity and diagnostic accuracy of Kindergarten Acadience Reading with English learners. *School Psychology Review*, *51*(4), 454-467. http://doi.org/10.1080/2372966X.2021.1984170

Briesch, A. M., Donaldson, A., **Matta, M.,** Volpe, R. J., Daniels, B., & Owens, J. S. (2021). Development of brief rating scales for progress monitoring internalizing behavior.

Journal of Emotional and Behavioral Disorders. 30(3) 199–209. http://doi.org/10.1177/10634266211039761

Beidler, E., Schmitt, A., **Matta, M.**, & Griger C. (2021). Diagnosed and nondisclosed sport-related concussion: An exploratory comparison study by ADHD status in collegiate student-athletes. *Journal of Attention Disorders. 26*, 606–615. https://doi.org/10.1177/10870547211015432

Keller-Margulis, M. A., Mercer, S. H., & **Matta, M.** (2021). Validity of automated text evaluation tools for Written-Expression Curriculum-Based Measurement: A comparison study. *Reading & Writing: An Interdisciplinary Journal*, *34*, 2461–2480. http://doi.org/10.1007/s11145-021-10153-6

Matta, M., Volpe, R. J., Briesch, A. M., & Owens, J. S. (2020). Five direct behavior rating multi-item scales: Sensitivity to the effects of classroom interventions. *Journal of School Psychology*, *81*, 28–46. https://doi.org/10.1016/j.jsp.2020.05.002

Vernice, M., **Matta, M.**, Tironi, M., Caccia, M., Lombardi, E., Guasti, M. T., … & Lang, M. (2019). An online tool to assess sentence comprehension in teenagers at risk for school exclusion: Evidence from L2 Italian students. *Frontiers in Psychology*, *10*, 2417. http://doi.org/10.3389/fpsyg.2019.02417

Matta, M., Gritti, E. S. V., & Lang, M. (2018). Personality Assessment of Intellectually Gifted Adults: A Dimensional Trait Approach. *Personality and Individual Differences*, *140,* 21–26. http://doi.org/10.1016/j.paid.2018.05.009

Lang, M., **Matta, M.**, Michelotti, C., Brusadelli, E., & Volpe, S. (2018). Intelligence Assessment of Members of Mensa Italia - The High I.Q. Society: A Preliminary Study on Giftedness using the Wechsler Adult Intelligence Scale-IV. *Italian Journal of Psychology*, *2*, 385–406. http://doi.org/10.1421/90622

Lang, M., **Matta, M.**, Parolin, L., Morrone, C., & Pezzuti, L. (2017). Cognitive Profile of Intellectually Gifted Adults: Analyzing the Wechsler Adult Intelligence Scale. *Assessment*, *26*(5), 929–943. http://doi.org/10.1177/1073191117733547

UNDER REVIEW REFEREED JOURNAL ARTICLES

Keller-Margulis, M. A., **Matta, M.**, Laundry, L., Zopatti, K., Reid, E., & Schanding, T. (revise and resubmit). A comparison of reading screeners for kindergartners: The Texas Primary Reading Inventory and Acadience Reading. *Assessment for Effective Intervention.*

IN PREPARATION JOURNAL ARTICLES

Matta, M., Keller-Margulis, M. A., & Mercer, S. H. (in preparation). Improving Written-Expression Curriculum-Based Measurement feasibility with automated text evaluation programs.

Volpe, R. J., **Matta, M.**, & Briesch, A. M. (in preparation). Formative behavioral assessment across eight constructs: Dependability of Direct Behavior Ratings and Brief Rating Scales.

TEST REVIEWS & ADAPTATIONS

Tobin, R. M., & **Matta, M.** (2020). The Data Model for Teaching Preschoolers with Autism. In J. F. Carlson, K. F. Geisinger, & J. L. Jonson (Eds.), *The Twenty-First Mental Measurements Yearbook.* Buros Center for Testing.

Tobin, R. M., & **Matta, M.** (2020). SSIS™ Social-Emotional Learning Edition. In J. F. Carlson, K. F. Geisinger, & J. L. Jonson (Eds.), *The Twenty-First Mental Measurements Yearbook.* Buros Center for Testing.

Pignolo, C., Abbate, L., Lang, M., **Matta, M.**, Porcelli, P., & Zennaro, A. (2020). *PAS - Personality Assessment Screener (Italian Adaptation)*. Hogrefe.

Ciancaleoni, M., & **Matta, M.** (2019). Italian adaptation of the TSI-2. In L. Abbate, M. Lang, N. Nardelli, & N. Vassalli (Eds.), *Trauma Symptom Inventory-2* (pp. 67-100). Hogrefe.

INVITED PRESENTATIONS

Matta, M. (2022, March). *Computer-based assessment for the future of education. The role of test bias*. Invited talk at the School of Education, Virginia Commonwealth University, Richmond, VA.

Matta, M. (2021, December). *Is computer-based assessment the future of (school) psychology? A cautionary tale on test bias*. Invited talk at the Department of Psychology, Syracuse University, Syracuse, NY.

Matta, M. (2020, November). *Cost Analysis. An Introduction to Economic Considerations in Education*. Invited talk at the Department of Psychological, Health, & Learning Sciences, University of Houston, Houston, TX.

Matta, M. (2019, May). *Use of Progress Monitoring Tools in Applied Settings: Measuring Sensitivity to Change in Response to Behavioral Interventions*. Invited talk at the Graduate School of Applied and Professional Psychology, Rutgers University, Piscataway, NJ.

Matta, M. (2018, October)**.** *Treatment Effect Measures in Single Case Studies*. Invited talk at the Department of Applied Psychology, Northeastern University, Boston, MA.

Matta, M. (2018, March). *Not only IQ. Measuring High Intelligence in Adulthood*. Invited talk presented at the meeting of the Mensa Association, Bologna, IT.

CONFERENCE PRESENTATIONS (selected)

Matta, M., Keller-Margulis M., & Mercer, S. H. (2022).*The use of automated scores of writing quality. What are the implications for fairness and equity?* Presentation at the annual meeting of the American Psychological Association (APA), Minneapolis, MN.

Matta, M., Keller-Margulis M., & Mercer, S. H. (2022). *New Directions for Writing Assessment: Improving Feasibility with Automated Scoring.* Presentation at the annual meeting of the National Association of School Psychologists (NASP), Boston, MA.

Matta, M. (2022). *writeAlizer: A Free Automated Tool for Evaluating Writing in School.* Presentation at the International Conference on the Science of Written Expression, Columbus, OH.

Matta, M., Keller-Margulis M., & Mercer, S. H. (2021, July). *The Use of Automated Approaches to Scoring Written Expression of Elementary Students.* Presentation at the

annual meeting of the International School Psychology Association (ISPA), Nicosia, Cyprus.

Matta, M., Keller-Margulis M., Mercer, S. H., & Zopatti, K. (2021, February). *Improving Written-Expression Curriculum-Based Measurement Feasibility with Automated Text Evaluation Programs.* Presentation at the annual meeting of the National Association of School Psychologists (NASP), Salt Lake City, UT.

Mercer, S. H., Keller-Margulis M., & **Matta, M.** (2020, February). *Validity of automated vs. hand-scored written expression curriculum-based measurement samples.* Poster at the annual meeting of the Pacific Coast Research Conference (PCRC), San Diego, CA.

Volpe, R. J., Briesch, A. M., **Matta, M.**, Owens, J. S., Yeung, T. S., &, Donaldson, A. R. (2020, February). *Examining the Dependability of Four Direct Behavior Rating Multi-Item Scales (DBR-MIS) for Problem Behaviors*. Poster at the annual meeting of the National Association of School Psychologists (NASP), Baltimore, MD.

Briesch, A. M., Volpe, R. J., **Matta, M.**, Owens, J. S., Donaldson, A. R., & Yeung, T. S. (2020, February). *Dependability of Direct Behavior Rating Multi-Item Scales (DBR-MIS) for Academic Enablers*. Poster at the annual meeting of the National Association of School Psychologists (NASP), Baltimore, MD.

TEACHING EXPERIENCE

2019	**Course Lecturer** in Measurement: Advanced Psychometric Principles (graduate program). Topics: Test Development and Validation; Classical Test Theory; Generalizability Theory; Factor Analysis. Department of Applied Psychology, Northeastern University.
2016 – 2018	**Course Lecturer** in Psychological Assessment (undergraduate program). Topics: Multi-method Assessment; Psychological Testing; Report Writing. Department of Psychology, University of Milano Bicocca.

REVIEWING EXPERIENCE

2022 – present	Ad-hoc Reviewer for *School Psychology*.
2020 – present	Member of the Editorial Board of *School Psychology Review*.
2020 – present	Ad-hoc Reviewer for *Journal of School Psychology*.
2017 – present	Ad-hoc Reviewer for *Journal of Psychoeducational Assessment*.
2018	Ad-hoc Reviewer for *Journal of Intelligence*.

PROFESSIONAL MEMBERSHIPS

2022 – present	National Council on Measurement in Education (Member, USA)
2018 – present	National Association of School Psychologists (Member, USA).
2017 – 2018	Association of Italian Psychology (Member, IT).