

Mario E. Bermonti-Pérez, M.A., Ph.D.

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Puerto Rico

Education

2017 – 2019	Ph.D., Psychology Universidad of Puerto Rico, Río Piedras
2012 – 2016	M.A., Psychology University of Puerto Rico, Río Piedras
2006 – 2011	B.A., Psychology University of Puerto Rico, Mayagüez, Magna Cum Laude

Research Experience

2019 – present	<i>PI:</i> A systematic review of computerized interventions to improve reading skills. Co-Investigators: Giselle Cordero-Arroyo, Ph.D., Universidad Ana G. Méndez; Stephanie Torres Ramos, B.A., Ponce Health Sciences University; Vicmarie Vargas Álvarez, B.A., Ponce Health Sciences University
2018 – present	<i>PI:</i> Efficacy of a computerized cognitive intervention to improve successive processing and spelling skills of elementary-school children. Supervisor: Nelson Cruz-Bermúdez, Ph.D., University of Puerto Rico Mentor: Mary Moreno Torres, Ph.D., University of Puerto Rico
2019 – present	<i>Co-Investigator:</i> Psychometric properties for the Cognitive Assessment System 2: Español (CAS2: ES) in children from 6 to 9 years old.
2018 – present	<i>Co-Investigator:</i> Exploring electrophysiological activation among patients with a history of self-reported suicidal attempts. <i>PI:</i> Eliut Rivera-Segarra, Ph.D., Ponce Health Sciences University
2018 – 2019	<i>Co-Investigator:</i> Perceived time versus real time in everyday smartphone usage. <i>PI:</i> Heidi Figueroa Sarriera, Ph.D., University of Puerto Rico

- 2015 – 2016 *PI:* Development and adaptation to computerized format of a cognitive intervention to improve reading skills.
Supervisor: Milagros Méndez Castillo, Ph.D., University of Puerto Rico
Mentor: Mary Moreno Torres, Ph.D., University of Puerto Rico
- 2014 – 2016 *Co-coordinator:* El uso de un modelo neurocognitivo de diagnóstico para atender la deserción escolar debida a Problemas Específicos del Aprendizaje [The use of a neurocognitive diagnostic model to address school desertion related to Specific Learning Disabilities].
PI: Mary Moreno Torres, Ph.D., University of Puerto Rico
Funding: Consejo de Educación de Puerto Rico: \$50,000
Tasks: General coordination, statistics and methodology consultation, neuropsychological and psychoeducational assessment, offer workshops to teachers
- 2013 *Collaborator:* Spanish translation and adaptation of the “Helping Children Learn (HCL): Intervention Handouts for Use in School and at Home” Manual. In collaboration with Dr. Tulio Otero (The Chicago School of Professional Psychology), Dr. Jack Naglieri (George Mason University), and Erick B. Pickering (Grandview Heights City Schools Grandview, Ohio) and Mary Moreno Torres, Ph.D. (Universidad de Puerto Rico).
Tasks: Spanish translation and translation review
- 2012 – 2015 *Research assistant:* Integrative model for neuroscientific teaching and research for undergraduate students at the University of Puerto Rico, Río Piedras.
Supervisor: Nelson Cruz-Bermúdez, Ph.D., University of Puerto Rico
Tasks: Design and development of research activities for undergraduate students
- 2011 – 2016 *Research assistant:* Spanish translation and standardization project for the US Hispanic population of the Cognitive Assessment System (CAS), 2nd edition.
Authors: Dr. Tulio Otero, Dr. Mary Moreno and Dr. Jack Naglieri
Supervisor: Mary Moreno Torres, Ph.D., University of Puerto Rico
Tasks: Statistics and methodology consultation, Spanish translation
- 2011 *Co-Investigator:* Neurocognitive interventions to improve academic achievement of students with Specific Learning Disabilities.
Supervisor: Mary Moreno Torres, Ph.D., University of Puerto Rico

Tasks: Neuropsychological and psychoeducational assessment, intervention administration

2011 Principal Investigator: Comparison of study and learning strategies of students at the University of Puerto Rico preceding from private and public schools. Department of Social Sciences, University of Puerto Rico.
Supervisor: Janet Bonilla, Ph.D., University of Puerto Rico.

Teaching experience

2020 – present **Assistant Professor**
Clinical Psychology Program (PhD)
School of Behavioral and Brain Sciences
Ponce Health Sciences University
Graduate courses: Quantitative Research Methods

2017 **Teaching assistant**
Department of Psychology
University of Puerto Rico, Río Piedras
Course: Psychology Research Methodology II
Supervisor: Samuel Colón De La Rosa, Ph.D.

2016 **Teaching assistant**
Department of Psychology
University of Puerto Rico, Río Piedras
Course: Psychology Research Methodology I
Supervisor: Nicole M. Vélez-Agosto, Ph.D.

Academic and Professional Appointments

2020 – present **Assistant Professor**
School of Behavioral and Brain Sciences
Ponce Health Sciences University

2018 – present **Director of Assessment and Institutional Effectiveness**
Academic Affairs
Ponce Health Sciences University

2018 – present **Research Design and Statistics Consultant**
School of Behavioral and Brain Sciences
Ponce Health Sciences University
Description: Research design and data analysis support to research faculty

2016 – 2018 **Data Analysis and Assessment Consultant**

Clinical psychology Program (PhD)
School of Behavioral and Brain Sciences
Ponce Health Sciences University
Description: Data management, statistical analysis, and automation of data analysis procedures for the American Psychological Association's re-accreditation self-study. Institutional Assessment Committee chair during the self-study for the re-accreditation of the Middle States Commission on Higher Education.

Data analysis consultation

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| 2019 – present | Examining cervical cancer preventive care in Latino transgender men.
PI: Alixida G. Ramos-Pibernus
Funding: Moffitt Cancer Center's American Cancer Society: \$30,000 |
| 2019 – present | American Psychological Association's re-accreditation self-study
Clinical psychology Program (PsyD)
School of Behavioral and Brain Sciences
Description: Data management, statistical analysis, and automation of data analysis procedures. |
| 2019 – present | Relación entre procesos neurocognitivos y control glucémico en jóvenes con DMt1 [Relationship between neurocognitive processes and glicemic control in adolescents with DMt1]
PI: Laisa Forestier Pérez,
Co-PI: Paola Velázquez González, Natalie García Justiniano, Bermonti-Pérez, M. , & Mary Annette Moreno Torres.
Description: Data analysis |
| 2019 – present | A calzón quitao'
PI: Sheila Rodríguez-Madera
Clinical psychology Program (PhD)
School of Behavioral and Brain Sciences
Description: Data management and statistical analysis. |
| 2019 – Present | Bulwark Analytics, LLC
Registration # 418242
<i>Co-founder and data analyst</i> |
| 2019 | Independent evaluator of Biomedical Sciences' Research Initiative for Scientific Enhancement (RISE) Program. |

Ponce Health Sciences University
Funding: National Institute of Health

- 2016 – 2018 American Psychological Association’s re-accreditation self-study
Clinical psychology Program (PhD)
School of Behavioral and Brain Sciences
Description: Data management, statistical analysis, and automation of data analysis procedures.
- 2016 – present Independent Consultation Services
Description: Independent statistics and methodology consultation services to researchers, graduate and undergraduate students.

Publications

- 2020 Cordero-Arroyo, G. & **Bermonti-Pérez, M.** (2020). Contexto de las Intervenciones Educativas para Promover el Aprendizaje en Puerto Rico [Context of Educational Interventions to Promote Learning in Puerto Rico]. Manuscript in preparation [Book chapter].
- 2020 Cordero-Arroyo, G., **Bermonti-Pérez, M.**, Moreno-Torres, M., & Rodríguez Arocho, W. (In press). Analysis of PASS Theory-Based Interventions for Improving Cognitive Processing and Learning. Manuscript in preparation.
- 2019 Forestier Pérez, L. L., Velázquez González, P. B., García Justiniano, N., **Bermonti-Pérez, M.**, & Moreno Torres, M. A. Relación entre procesos neurocognitivos y control glucémico en jóvenes con DMt1 [Relationship between neurocognitive processes and glicemic control in adolescents with DMt1]. Manuscript in preparation.
- 2018 **Bermonti-Pérez, M.**, Cordero-Arroyo, G., & Moreno Torres, M. (2018). Evaluación de la versión computarizada de una intervención cognitiva para desarrollar deletreo [Adaptation to computerized format of a cognitive intervention to improve reading skills]. *Revista Puertorriqueña de Psicología*, 29(2), 288-301.
- 2018 Cordero-Arroyo, G., González-González, M., **Bermonti-Pérez, M.**, & Moreno Torres, M. (2018). Intervención Neuropsicológica para Estudiantes con Inatención, Hiperactividad y Dificultades en Lectura [Neuropsychological intervention for students with inattention,

hyperactivity, and reading difficulties]. *Revista Puertorriqueña de Psicología*, 29(2), 254-268.

- 2018 Moreno Torres, M., Díaz Flores, W., **Bermonti Pérez, M.**, & Rodríguez-Arocho, W. (2018). Comparación de Perfiles del TDAH-TC en la EIWN-R-PR y el CAS [Comparison of ADHD-CT profiles on EIWN-R-PR and CAS]. *Revista Puertorriqueña de Psicología*, 29(2), 224-237.
- 2014 **Bermonti-Pérez, M.** (2014). Incorporación de las nuevas tecnologías al quehacer psicológico: Implicaciones éticas [Incorporation of new technologies to psychology practice: Ethical implications]. En J. Toro-Alfonso (Ed.), *Retos éticos en la práctica de la psicología en Puerto Rico*.
- 2014 **Bermonti-Pérez, M.**, Díaz-Flores, W., Moreno-Torres, M. & Rodríguez-Arocho, W. (2014). Concepciones sobre Inteligencia, y su Relación con Habilidades Lingüísticas en Niños y Niñas de Habla Hispana [Intelligence conceptualizations and their relationship with linguistic abilities in Hispanic children]. *Salud y Conducta Humana*.

Journal Referee Experience

- 2020 – present Reviewer. Puerto Rican Journal of Psychology. Asociación de Psicología de Puerto Rico.
- 2014 – present Reviewer. Revista de Salud y Conducta Humana. Ponce Health Sciences University.
- 2014 Reviewer. Revista de Ciencias Sociales. University of Puerto Rico.

Presentations

- 2019 Rivera-Segarra, E., Ramos-Pibernus, A., Blanco, M., Justiz, L., Mejías, D., Carminelli-Corretjer, P., Tollinchi, N., **Bermonti-Pérez, M.** (2019, December). Standardized Patients to Address Transmen Health Disparities. To be presented at the RCMI 2019 National Conference. Bethesda, MD.
- 2019 **Bermonti-Pérez, M.**, Vargas Álvarez, V., Torres Ramos, S. N., Rodríguez Beato, J. N., Mercado Nieves, F. C., & Cordero-Arroyo, G. (2019, November). Eficacia de una Intervención Computarizada para Mejorar Deletreo y Procesamiento Sucesivo en la Población Escolar [Efficacy of a computerized intervention to improve spelling and successive processing in school-aged population]. Poster presentation at the 66th Annual

Convention of the Psychology Association of Puerto Rico (APPR), Ponce, PR.

- 2019 Cordero-Arroyo, G., **Bermonti-Pérez, M.**, Moreno-Torres, M., & Rodríguez Arocho, W. (2019, November). Intervenciones Basadas en la Teoría de Inteligencia PASS para Mejorar Procesos Cognitivos y Aprendizaje [PASS Theory-Based Interventions for Improving Cognitive Processing and Learning]. Poster presentation at the 66th Annual Convention of the Puerto Rican Psychological Association (APPR), Ponce, P.R.
- 2019 Forestier Pérez, L. L., Velázquez González, P. B., García Justiniano, N., **Bermonti-Pérez, M.**, & Moreno Torres, M. A. (2019, November). Relación entre procesos neurocognitivos y control glucémico en jóvenes con DMt1 [Relationship between neurocognitive processes and glicemic control in adolescents with DMt1]. Poster presentation at the 66th Annual Convention of the Psychology Association of Puerto Rico (APPR), Ponce, PR.
- 2019 Vargas Álvarez, V., **Bermonti-Pérez, M.**, & Cordero-Arroyo, G. (2019, October). Eficacia de una Intervención Computadorizada para Mejorar Memoria de Trabajo en la Población Escolar [Efficacy of a computerized intervention to improve working memory in school-aged population]. Poster presentation at the 5th Behavioral Health Student Research Symposium of Southern Puerto Rico, Ponce, PR.
- 2017 **Bermonti-Pérez, M.** (2018, January). Desarrollo de una intervención computarizada para estudiantes con problemas de lectura [Development of a computerized intervention for students experiencing reading failure]. Presented at the 64th Annual Convention of the Psychology Association of Puerto Rico (APPR), Ponce, PR.
- 2016 **Bermonti-Pérez, M.**, Cordero-Arroyo, G., Ortiz-Ortiz, Y., Fonseca-Cardona, N., Díaz-Flores, W., & Moreno-Torres, Ph.D. (2016, February). Neurocognitive Interventions to Address Challenges in Hispanic Students' Special Education. Presented at the National Association of School Psychologists 2016 Annual Convention, Louisiana.
- 2015 Díaz-Flores, W., **Bermonti-Pérez, M.**, González-González, M., Fonseca-Cardona, N., & Moreno-Torres, Ph.D. (2015, February). Relationship

between Executive Function and Academic Achievement in Hispanic Children. Poster presentation at the National Association of School Psychologists 2015 Annual Convention, Florida.

- 2014 Díaz-Flores, W., **Bermonti-Pérez, M.**, Moreno-Torres, M. (2014, February). Intelligence conceptualizations and their relationship with language in a Hispanic children sample. Poster presentation at the National Association of School Psychologists 2014 Annual Convention, Washington DC.
- 2013 Díaz-Flores, W., **Bermonti-Pérez, M.**, Moreno-Torres, M. (2013). Relación entre Escala de Inteligencia Wechsler para Niños Revisada-Puerto Rico (EIWN-R-PR) y el Cognitive Assessment System (CAS) en una Muestra de Hispanos [Relationship between the Wechsler Intelligence Scale for Children Revised-Puerto Rico (EIWN-R-PR) and the Cognitive Assessment System (CAS) in a Hispanic Sample]. Poster presentation at the Quinta Jornada Estudiantil.
- 2012 **Bermonti-Pérez, M.** (2012). Estrategias de estudio y aprendizaje en estudiantes de la Universidad de Puerto Rico-Mayagüez procedentes de escuela pública y privada [Comparison of study and learning strategies of students at the University of Puerto Rico preceding from private and public schools]. Presented at the XIX Simposio de Investigación en las Ciencias Sociales: “La Contribución del Estudiante Subgraduado a la Investigación Social Aplicada”, Mayagüez, P.R.

Supervised students

Graduate students

Vicmarie Vargas Álvarez
Stephanie Torres Ramos
Johanna Rodríguez Beato
Fabiola Mercado Nieves
Stephanie Vega

Undergraduate students

Juan Ortiz González

Awards

Outstanding Graduate Student Award, Psychology Association of Puerto Rico, 2019

Dissertation Scholarship, Psychology Association of Puerto Rico, 2019

Academic Excellence, University of Puerto Rico, Río Piedras, 2017

National Smart Grant, University of Puerto Rico, Mayagüez, 2009 – 2010

Academic Competitiveness Grant University of Puerto Rico, Mayagüez, 2006 – 2007

Skills

Computer Software

Microsoft Office suite (Word, Power Point, One Note, Excel, Sharepoint, Planner)

Data Analysis

SPSS, Excel, Python, G*Power

Experimental Research

DMDX

Psychopy (Builder and coder) - version 2 and 3

Experiment Builder

Programming Languages

Python – Intermediate

Javascript – Beginner

Markup languages

Orgmode – Intermediate

Markdown - Beginner

HTML and CSS - Beginner

Latex – Beginner

Version Control

Git – Intermediate

Github – Intermediate

Text Editors

Emacs - Intermediate

Spacemacs - Intermediate

Vim - Intermediate

Sublime 3 - Intermediate

Languages

English: Intermediate level (writing and speaking)

Spanish: Native language

Professional Certification

2016 Merchant's Registration Certificate
Commercial activity: Professional, scientific and technical services

Ethics certifications

2019 *Good Clinical Practice (GCP)*
Collaborative Institutional Training Initiative (CITI)

2019 *Information Privacy Security (IPS)*
Collaborative Institutional Training Initiative (CITI)

2018 *Social & Behavioral Human Research*
Collaborative Institutional Training Initiative (CITI)

2012 *Protecting Human Subject Research Participants*
National Institute of Health (NIH)

Extracurricular Activities

2019 **Facilitator:** Utilizando el Método Discrepancia/Consistencia para la Identificación de Trastornos Específicos en el Aprendizaje. [Using the Discrepancy/Consistency method for the identification of Specific Learning Disabilities]. Asociación de Psicología Escolar de Puerto Rico (APEP).
Pontificia Universidad Católica de Puerto Rico, Ponce, P.R.

Facilitator: Programa de adiestramiento en el modelo de inteligencia PASS: Evaluación e intervención de procesos cognitivos [Training Program in the PASS Theory of Intelligence: Assessment and Intervention on Cognitive Processes].
Clínica Dr. Merlos y Asociados, San Juan, P.R.

2017 **Facilitator:** Administration of the Department of Education of Puerto Rico's Medición Educativa para la Transformación Académica de Puerto Rico (META-PR).
Elementary School María López Ponce. Carolina, P.R.

2016 **Facilitator:** Administration of the Department of Education of Puerto Rico's Medición Educativa para la Transformación Académica de Puerto Rico (META-PR).
Elementary School María López Ponce. Carolina, P.R.

Professional Development

February 2020 *Intro to SQL*

Instituto de Estadísticas de Puerto Rico [Puerto Rico Institute of Statistics].
Webinar

- November 2019 *Estadísticas Actualizadas del Sistema Educativo de Puerto Rico*
Instituto de Estadísticas de Puerto Rico. Webinar
- May 2019 Simposio Educación Especial, Dotados y Doble Excepcionalidad [Special
Education, Gifted and Twice Exceptional Symposium]
Project DE AFECTo
Universidad de Puerto Rico, Río Piedras Campus
- December 2018 Congreso Neuroeducación-NeuroEDU 2018 [Congress of Neuroeducation]
Institute of Cognitive Neuroscience. San Juan, P.R.
- October 2016 *Introduction to proposal writing*
University of Puerto Rico, Río Piedras. 3 hours
- April 2016 *Laberintos de la Mente*
4th Neuropsychological Symposium. Psychology Students Association,
University of Puerto Rico, Cayey. 12 hours.
- September 2015 *An Introduction to Bayesian Statistics and its Implication to Scientific
Studies.*
Instituto de Investigación Psicológica (IPsi). University of Puerto Rico.
2 hours.
- June 2015 *Mediation and Moderation Analysis using PROCESS Tool in SPSS.*
Diversity-Promoting Institutions Drug Abuse Research Program
(DIDARP). San Juan, PR. 2 hours.
- September 2014 *Comprehensive Executive Function Inventory (CEFI) and Cognitive
Assessment System-2 (CAS2): From theory to assessment and effective
classroom instruction.* Decimosexta Conferencia Anual, Asociación de
Psicología Escolar de Puerto Rico (APEP). Carolina, PR. 8 hours.

Professional and Academic Organizations

National Association of School Psychology (NASP)
Psychology Association of Puerto Rico (APPR)
Golden Key International Honour Society

Websites

ORCID: <https://orcid.org/0000-0001-5228-2538>
ResearchGate: https://www.researchgate.net/profile/Mario_Bermonti-Perez
LinkedIn: <https://pr.linkedin.com/in/mario-bermonti-p%C3%A9rez-286b943b>
Coding Cognitive Research: <https://codingcognitiveresearch.wordpress.com/>

Mario E. Bermonti-Pérez, Ph.D.

Github: <https://github.com/mario-bermonti>

Open Science Framework: <https://osf.io/qg7r9/>