

# EUCLIDES JOSÉ DE MENDONÇA FILHO, PHD.

## CURRICULUM VITAE

6875 Boulevard LaSalle, Montreal-QC

Douglas Mental Health University Institute

McGill University

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## EDUCATIONAL BACKGROUND

**Postdoctoral Research Fellow** - Department of Psychiatry, McGill University, Montreal-QC, Canada.

Research Advisor: PhD MD. Patricia P. Silveira ([patricia.silveira@mcgill.ca](mailto:patricia.silveira@mcgill.ca))

02/2020 – Present

Aims of research:

- Understanding the role of prenatal and early life adversity on brain and behavioral development.
- Integration of different data modalities (e.g. prenatal indicator, genetic, and neuroimaging) using machine learning modelling for early identification of developmental disorders.

**PhD in Psychology** - Universidade Federal do Rio Grande do Sul. Porto Alegre-RS, Brazil

Research Advisor: Dr. Denise Ruschel Bandeira

2017 – 2020

Dissertation: *Dimensional Inventory for Child Development Assessment: Norms, Comparative Study, and Short Version*

2019 - International Visiting Research Assistant, McGill University, Montreal-QC, Canada.

Research Advisor: PhD MD. Patricia P. Silveira ([patricia.silveira@mcgill.ca](mailto:patricia.silveira@mcgill.ca))

**MA in Psychology** - Universidade Federal do Rio Grande do Sul.

Research Advisor: Dr. Denise Ruschel Bandeira

2015 – 2017

Thesis: *Validity evidence based on internal structure of the Cognitive Scale of the Dimensional Inventory for Child Development Assessment*

2017 - International Visiting Research Trainee, York University, Toronto-ON, Canada.

Research Advisor: Dr. Janice Jonhson ([janicej@yorku.ca](mailto:janicej@yorku.ca))

**B.A in Psychology** - Universidade Federal da Bahia, Salvador-BA, Brazil

Research Advisor: Dr Igor Gomes Menezes

2008 – 2014

2013 - Undergraduate exchange program at York University, Toronto-ON, Canada. CNPQ Science Without Borders Program.

## PROFESSIONAL POSITIONS

Winter 2019	Research Assistant - Douglas Mental Health University Institute
Spring 2017 & Spring 2018	Instructor: PSI 01045 - Psychometrics and assessment of intelligence (Psychological Assessment-I). Federal University of Rio Grande do Sul, Department of Psychology (Undergraduate level)
Summer 2016	Instructor: PSI 01046 - Assessment of personality (Psychological Assessment-II). Federal University of Rio Grande do Sul, Department of Psychology (Undergraduate level)
Spring 2016	Instructor: Statistics-II. Faculdades Integradas de Taquara – Taquara-RS, Department of Psychology (Undergraduate level)
2017 – 2019	Registered Psychologist (CRP 07/27683) – Regional Council of Psychology of Rio Grande do Sul-Brazil
2015 – Present	Graduate Research Assistant, <a href="#">GEAPAP</a> , Federal University of Rio Grande do Sul – Porto Alegre-RS-Brazil
2015 – Present	Data analysis consultant. <a href="https://quantidados.wordpress.com/">https://quantidados.wordpress.com/</a>
2015 – 2018	Assistant psychologist – Psychological Assessment Centre, University clinic, Federal University of Rio Grande do Sul – Porto Alegre-RS-Brazil
2017	PhD Graduate representative for the Graduate Program in Psychology at Universidade Federal do Rio Grande do Sul.
11/2016 – 04/2017	Graduate Research Trainee, Developmental Processes Laboratory, Department of Psychology -York University –Toronto-ON
2015	Assistant professor, Faculdades Integradas de Taquara – Taquara-RS-Brazil
2015 – 2017	Teaching Assistant, Federal University of Rio Grande do Sul – Porto Alegre-RS-Brazil
2014 – 2015	Internship at the Superintendence of Assessment and Institutional Development, Federal University of Bahia – Salvador-BA
2010 – 2014	Undergraduate Research Assistant, Quantitative Methods and Predictive Psychometrics Laboratory, Federal University of Bahia – Salvador-BA

## AWARDS/HONORS

2016	Emerging Leaders in The Americas Program – Global Affairs Canada
2013	Science Without Borders Scholarship Program - National Council for Scientific and Technological Development Brazil
2018	International Travel Funds: 29th International Congress of Applied Psychology (ICAP; Montreal-QC) Universidade Federal do Rio grande do Sul: Spring 2018; \$400
2017	Domestic Travel Funds: IX Brazilian Congress of Developmental Psychology (Aracaju-Se-Brazil) Universidade Federal do Rio grande do Sul: Spring 2017; \$250

## PEER-REVIEWED PUBLICATIONS

**de Mendonça Filho, E. J.**, Barth, B., Bandeira, D. R., de Lima, R. M. S., Arcego, D. M., Dalmaz, C. ... Meaney, M., & Silveira, P. P. (under review). Susceptibility to prenatal adversity and the role of prefrontal cortex BDNF gene network on cognitive growth. *Child development*.

**de Mendonça Filho, E. J.**, Silva, M. A., Bandeira, D. R. (under review). Assessing cognitive development through maternal report: validity evidence and age relationship of the cognitive scale of the Dimensional Inventory for Child Development Assessment. *European Journal of Developmental Psychology*.

**de Mendonça Filho, E. J.**, Silva, M. A., Koziol, N., Bandeira, D. R. (under review). Validation of the short version of the Dimensional Inventory for Child Development Assessment. *Jornal de Pediatria*.

de Lima, R. M. S., Barth, B., Arcego, D. M., **de Mendonça Filho, E. J.**, Clappison, A., Patel, S., ... & Kobor, M. S. (2020). Amygdala 5-HTT gene network moderates the effects of postnatal adversity on attention problems: anatomo-functional correlation and epigenetic changes. *Frontiers in Neuroscience*, 14. <https://doi.org/10.3389/fnins.2020.00198>

Miguel, P. M., Pereira, L. O., Barth, B., **de Mendonça Filho, E. J.**, Pokhvisneva, I., Nguyen, T. T. T., ... Silveira, P. P. (2019). Prefrontal cortex dopamine transporter gene network moderates the effect of perinatal hypoxic-ischemic conditions on cognitive flexibility and brain gray matter density in children. *Biological Psychiatry*. <https://doi.org/10.1016/j.biopsych.2019.03.983>

Sarmiento, S. M. de S., Bittencourt, L., **de Mendonça Filho, E. J.**, Abreu, N., Tavares de Lacerda, A. L., & Miranda-Scippa, Â. (2020). Neurocognitive Impairment in Bipolar Disorder and Associated Factors: Using Population-based Norms and a Strict Criterion for Impairment Definition. *Cognitive and Behavioral Neurology*, 33(2), 103–112. <https://doi.org/10.1097/WNN.0000000000000231>

Kroeff, C. da R., Yates, D. B., **de Mendonça Filho, E. J.** de, Bandeira, D. R., & Silva, M. A. da. (2020). Intelligence and Socioeconomic Context on Childhood: Comparisons by Place of Residence and School Type. *Paidéia*, 30, 1–10. <https://doi.org/10.1590/1982-4327e3028>

Selau, T., da Silva, M. A., **de Mendonça Filho, E. J.**, & Bandeira, D. R. (2020). Evidence of validity and reliability of the adaptive functioning scale for intellectual disability (EFA-DI). *Psicologia: Reflexão e Crítica*, 33(1). <https://doi.org/10.1186/s41155-020-00164-7>

Miranda, J. R., Silva, M. A. da, **de Mendonça Filho, E. J.**, & Bandeira, D. R. (2020). Evidências de validade de critério do Inventário Dimensional de Avaliação do Desenvolvimento Infantil para rastreio do Transtorno do Espectro do Autismo [Validity evidence from the Dimensional Inventory for Child Development Assessment for screening Autism Spectrum Disorder]. *Revista Latinoamericana de Neuropsicologia*, 12(3), 19–29. <https://doi.org/10.5579/rnl.2016.0541>

Bandeira, D. R., Azevedo, E. C., Cattani, B. C., Silva, M. A., **de Mendonça Filho, E. J.**, & Frizzo, G. B. (2020). Factors associated with mental health in mothers with children under seven. *Psicothema*, 32(3), 346–351. <https://doi.org/10.7334/psicothema2019.71>

Silva, M. A., **de Mendonça Filho, E. J.**, & Bandeira, D. R. (2019). Development of the Dimensional Inventory of Child Development Assessment (IDADI). *Psico-USF*, 24(1), 11–26. <https://doi.org/10.1590/1413-82712019240102>

Cauduro, G. N., **de Mendonça Filho, E. J.**, Pandolfo, N., & Bandeira, D. R. (2019). Direct and indirect effects of socio-economic status on child development: is developmental parenting a relevant mediator? *Early Child Development and Care*, 0(0), 1–14. <https://doi.org/10.1080/03004430.2019.1673384>

Silva, M. A., **de Mendonça Filho, E. J.**, Mônego, B. G., & Bandeira, D. R. (2018). Instruments for multidimensional assessment of child development: a systematic review. *Early Child Development and Care*, 1–15. <https://doi.org/10.1080/03004430.2018.1528243>

Oliveira, C. M. de, **de Mendonça Filho, E. J.**, Marasca, A. R., Bandeira, D. R., & Giacomoni, C. H. (2019). Escala Multidimensional de Satisfação de Vida para Crianças: Revisão e Normas [Multidimensional Life Satisfaction Scale for Children: Revision and Standards]. *Revista Avaliação Psicológica*, 18(1), 25–35. <https://doi.org/10.15689/ap.2019.1801.15492.04>

Zanon, R. B., Da Silva, M. A., **de Mendonça Filho, E. J.**, Bandeira, D. R., Dos Santos, M. A., Halpern, R., & Bosa, C. A. (2017). Brazilian study of adaptation and psychometric properties of the Coping Health Inventory for Parents. *Psicologia: Reflexão e Crítica a Springer Open Journal.*, 30(1), 10. <https://dx.doi.org/10.1186/s41155-017-0065-9>

Menezes, I. G., Duran, V. R., **de Mendonça Filho, E. J.**, Veloso, T. J., Sarmiento, S. M. S., Paget, C. L., & Ruggeri, K. (2016). Policy Implications of Achievement Testing Using Multilevel Models: The Case of Brazilian Elementary Schools. *Frontiers in Psychology*, 7,1727. <http://doi.org/10.3389/fpsyg.2016.01727>

Viapiana, V. F., **de Mendonça Filho, E. J.**, Fonseca, R. P., Giacomoni, C. H., & Stein, L. M. (2016). Development of the Arithmetic Subtest of the School Achievement Test II. *Psicologia: Reflexão e Crítica a Springer Open Journal.*, 29.

Athayde, M. L., Giacomoni, C. H., **de Mendonça Filho, E. J.**, Fonseca, R. P., & Stein, L. M. (2016). Desenvolvimento do subteste de escrita do Teste de Desempenho Escolar II [Development of the writing subtest of the School Achievement Test II]. *Avaliação Psicológica*, 15(3), 371-382.  
<https://dx.doi.org/10.15689/ap.2016.1503.10>

Gomes, A. C. P., Bastos, A. V. B., **de Mendonça Filho, E. J.**, & Menezes, I. G. (2014). Cidadania e cidadania organizacional: Questões teóricas e conceituais que cercam a pesquisa na área [Citizenship and organizational citizenship: Conceptual and theoretical questions concerning the research field] *Estudos e Pesquisas em Psicologia*, 14(3), 711-731.

Brown, M. A., Stuerzlinger, W., & **de Mendonça Filho, E. J.** (2014) The Performance of Un-Instrumented In-Air Pointing. *Graphics Interface*. ISBN 978-148226003-8, 59-66, May.

Arif, A. S., Stuerzlinger, W., **de Mendonça Filho, E. J.**, & Gordynski, A. (2014) How Do Users Interact with an Error Prone In-air Gesture Recognizer. *CHI Workshop on Gesture-based Interaction Design: Communication and Cognition*, 4 pages, May.

Arif, A. S., Stuerzlinger, W., **de Mendonça Filho, E. J.**, & Gordynski, A. (2014). Error Behaviours in an Unreliable In-air Gesture Recognizer. *CHI 2014 Work-in-Progress*. 1603-1608, May

## CHAPTERS

**de Mendonça Filho, E. J.**, Silva, M. A., Scalco, J., Silveira, P. P., & Bandeira, D. R. (under review). Identificação de atrasos do desenvolvimento infantil nos primeiros anos escolares [Identification of child development delay in the first school years]. In C. S. Hutz, D. R. Bandeira, C. M. Trentini, & J. P. Giordani (Eds.). *Avaliação psicológica no contexto escolar e educacional [Psychological assessment in the school and educational context]*. Porto Alegre, RS: Artmed.

**de Mendonça Filho, E. J.** (*in press*). James Cattell. *Dicionário de Avaliação Psicológica [Psychological Assessment Dictionary]*. In J. C. Borsa, H. Rosa, & M. R. C. Lins. São Paulo, SP: Vetor

**de Mendonça Filho, E. J.** (*in press*). David Weschsler. *Dicionário de Avaliação Psicológica [Psychological Assessment Dictionary]*. In J. C. Borsa, H. Rosa, & M. R. C. Lins. São Paulo, SP: Vetor

**de Mendonça Filho, E. J.** (*in press*). Clark Wissler. *Dicionário de Avaliação Psicológica [Psychological Assessment Dictionary]*. In J. C. Borsa, H. Rosa, & M. R. C. Lins. São Paulo, SP: Vetor

**de Mendonça Filho, E. J.** (2019). Pilares psicométricos do Teste de Desempenho Escolar II [Psychometric principals of the School Achievement Test II]. In L. M. Stein, C. H. Giacomoni, & R. P. Fonseca (Eds.), *Coleção TDE-II: Teste de Desempenho Escolar 2ª Edição*. São Paulo, SP: Vetor.

Viapiana, V. F., **de Mendonça Filho, E. J.**, Fabreti, R., Giacomoni, C. H., Fonseca, R. P., & Stein, L. (2019). Desenvolvimento, evidências de validade e de fidedignidade do subteste de Aritmética do TDE-II [Development, validity and reliability evidence of the of the Arithmetic Subtest of the School Achievement Test II]. In L. M. Stein, C. H. Giacomoni, & R. P. Fonseca (Eds.), *Coleção TDE-II: Teste de Desempenho Escolar 2ª Edição*. São Paulo, SP: Vetor.

Bandeira, D. R., Marasca, A. R., **de Mendonça Filho, E. J.**, Giacomoni, C. H. (2019). TDE-II Coletivo: Desenvolvimento da Versão Coletiva. In L. M. Stein, C. H. Giacomoni, & R. P. Fonseca (Eds.), *Coleção TDE-II: Teste de Desempenho Escolar 2ª Edição*. São Paulo, SP: Vetor.

Athayde, M. L., Sartori, M. S., Moojen, S., Santos, R. M., Goncalves, H. A., **de Mendonça Filho, E. J.**, Giacomoni, C. H., Stein, L. M., Fonseca, R. P. (2019). Desenvolvimento, evidências de validade e de fidedignidade do subteste de Leitura do TDE-II [Development, validity and reliability evidence of the of the Reading Subtest of the School Achievement Test II]. In L. M. Stein, C. H. Giacomoni, & R. P. Fonseca (Eds.), *Coleção TDE-II: Teste de Desempenho Escolar 2ª Edição*. São Paulo, SP: Vetor.

Sartori, M. S., Athayde, M. L., Moojen, S., Santos, R. M., Goncalves, H. A., **de Mendonça Filho, E. J.**, Giacomoni, C. H., Stein, L. M., Fonseca, R. P. (2019). Desenvolvimento, evidências de validade e de fidedignidade do subteste de Escrita do TDE-II [Development, validity and reliability evidence of the of the Writing Subtest of the School Achievement Test II]. In L. M. Stein, C. H. Giacomoni, & R. P. Fonseca (Eds.), *Coleção TDE-II: Teste de Desempenho Escolar 2ª Edição*. São Paulo, SP: Vetor.

Bandeira, D. R., Marasca, A. R., **de Mendonça Filho, E. J.**, Giacomoni, C. H. (2019). TDE-II Coletivo: Desenvolvimento da Versão Coletiva [Collective TDE-II: Development fo the Collective version]. In L. M. Stein, C. H. Giacomoni, & R. P. Fonseca (Eds.), *Coleção TDE-II: Teste de Desempenho Escolar 2ª Edição*. São Paulo, SP: Vetor.

## RECENT RESEARCH PRESENTATIONS

Lima, R. M. Barth, B, Arcego, D. M., **de Mendonça Filho, E. J.** ... Meaney, M, Silveira, P. P (2020) *Leptin receptor gene network moderates the effects of early life adversity on emotional problems and gray matter density in children and adolescents*. Oral presentation at the XLII Reunião Anual da Sociedade Brasileira de Neurociências e Comportamento.

**de Mendonça Filho, E. J**, Barth, B., Bandeira, D. R., Meaney, M., & Silveira, P. P. (2019). *BDNF gene network, prenatal adversity and cognitive developmental trajectories in young children*. Poster presentation at the 13th Annual Canadian Neuroscience Meeting, Toronto, Canada.

**de Mendonça Filho, E. J**, Silva, M. A., Bandeira, D. (2018). Psychometric Properties, refinement and clinical application of the Dimensional Inventory for Child Development Assessment. Oral presentation at the 2018 International Test Commission Conference (ITC-Conference 2018), Montreal, Canada.

**de Mendonça Filho, E. J**, Silva, M. A., Bandeira, D.(2018). Assessing child development through reports of mothers from Brazil: validity evidence and clinical application of the Dimensional Inventory for Child Development Assessment. Oral presentation at the 2018 International Congress of Applied Psychology (ICAP 2018), Montreal, Canada.

**de Mendonça Filho, E. J**, Silva, M. A., Bandeira, D. (2018). Validity evidence based on internal structure of the Cognitive Scale of the Dimensional Inventory for Child Development Assessment. Poster presented at the 2018 International Congress of Applied Psychology (ICAP 2018), Montreal, Canada.

Azevedo, E. C., Cattani, B., Silva, M., **de Mendonça Filho, E. J.**, Frizzo, G. A., & Bandeira, D. R. (2018). Factors associated with symptoms of common mental disorders in mothers with children between zero and 72 months. Poster presented at the 16<sup>th</sup> World Congress of the World Association for Infant Mental Health, Rome, Italy.

### **TECHNICAL PRODUCT**

*Dimensional Inventory for Child Development Assessment.* Silva, M. A, **Mendonça Filho, E. J.**, & Bandeira, D. R.

Funded by: Nebraska Center for Research on Children, Youth, Families and Schools (Nebraska-Lincoln) & Fundação de Amparo à pesquisa do Estado do Rio Grande do Sul

### **TECHNICAL REPORTS**

**Mendonça Filho, E. J.** (2017) HOSPITAL ALEMÃO OSWALDO CRUZ [OSWALDO CRUZ GERMAN HOSPITAL] – Análise da Avaliação do Processo de Formação-Ação no Projeto “Gestão para Educação Permanente dos Profissionais da Rede de Atenção às Urgências” – GEPPRAU (2017)[Assessment of the Action-Formation Process Analysis from the Project “Management for Permanent Education of the Network of Attention to the Emergencies Professionals – GEPPRAU (2017) ].

Menezes, I. G., Gomes, A. C. P., **Mendonça Filho, E. J.** (2010). Construção do Relatório Diagnóstico da Situação da Criança e do Adolescente do Município de Camaçari [Development of the diagnostic report of childrens’ and adolescents’ situation of the Municipality of Camaçari-Bahia].

### **TEACHING**

#### **Graduate Instruction – Guest Lecturer**

Instructor: PSP73, Psychometrics. Workshop Seminar: Confirmatory factor analysis and its use on psychology research. Federal University of Rio Grande do Sul, Department of Psychology (Spring 2017)

Instructor: PSP73, Psychometrics. Workshop Seminar: Item response Theory applied to psychological testing. Federal University of Rio Grande do Sul, Department of Psychology (Spring 2017)

Instructor: Workshop Seminar: R software applied to psychometrics. Federal University of Rio Grande do Sul, Department of Psychology (Spring 2015)

#### **Specialization – Guest Lecturer**

Human development (Summer 2018). Topic: Neo-Piagetian theories of cognitive development. Federal University of Rio Grande do Sul, Department of Psychology.

Children and adolescent’s psychology (Summer 2017). Topic: Adolescents’ development: contemporary aspects and specificities. Universidade do Vale dos Sinos, São Leopoldo.

## Honors thesis supervision

Vaz, L. V. (2018). A Saúde Mental do Professor Universitário em Contexto Brasileiro: Uma Revisão Sistemática de Literatura [The metal health of university professor at the Brazilian context: a systematic review of literature]. Undergraduate thesis, Psychology Department, Federal University of Rio Grande do Sul, Porto Alegre-RS

Teske, A. L. (2018). O processo psicodiagnóstico em um serviço escola de Porto Alegre/RS com crianças e adolescentes e situação de abrigo [The psychodiagnostic process at a university clinic service from Porto Alegre/RS with children and adolescents living in foster care institutions] Graduate thesis, Psychology Department, Federal University of Rio Grande do Sul, Porto Alegre-RS

Prates, E. (2018). A influência de sintomas de Transtornos Mentais Comuns maternos nas Práticas Parentais e no Desenvolvimento Infantil [The influence of common mental disorders on child development and parenting practices]. Undergraduate thesis, Psychology Department, Federal University of Rio Grande do Sul, Porto Alegre-RS

## TECHNICAL SKILLS

Psychological Tests:	Wechsler Adult Intelligence Scale, Wechsler Abbreviated Scale of Intelligence, Wechsler Intelligence Scale for Children, Nepsy, Neo PI, Wisconsin Card Sorting Test, Son-R 2½-7[a] and others.
Advanced Statistical Analysis:	Structural equation modeling, item response theory, Rasch analysis, path analysis, multilevel modeling and general linear models
Software Applications	R (R core Team, 2020), SPSS, <i>Mplus</i> , FreeSurfer, Winsteps

## WORKSHOPS ATTENDED

Johns Hopkins University - Coursera Specialization: Data Science: Foundations using R (2020).  
Instructors: Jeff Leek, PhD, Roger Peng, PhD; Brian Caffo, PhD.

XI Brazilian Congress on Developmental Psychology. O psicodiagnóstico da criança com transtorno do espectro autista: técnica e instrumentos [Psychodiagnosis of children with autism spectrum disorders: technique and instruments] (2017).  
Instructor: Dr. Cleonice Bosa

Statistical Consulting Services - York University. An introduction to R Graphics (2017).  
Instructors: Dr. Michael Friendly

Statistical Consulting Services - York University. SCS 2017: Longitudinal and Nested Data (2017).  
Instructors: Dr. Georges Monette

Microsoft. DAT204x: Introduction to R for Data Science. (2016).

Introduction to latent class analysis. Department of psychology, Federal University of Rio Grande do Sul. (2016).

Instructor: Dr. Nelson Hauck Filho

The Psychometrics Centre - Cambridge University – Development of adaptive testing using the Concerto Platform (2012).

Instructors: Dr. John Rust & Dr. Michal Kosinski



### **AD HOC REVIEWS (Peer-reviewed Journals)**

Child Psychiatry and Human development – ISSN: 1573-3327

Trends in Psychology – ISSN: 2358-1883

Psychology: Research and Review – ISSN: ISSN 0102-7972

Paidéia – ISSN: 1982-4327

Revista Argentina de Ciencias del Comportamiento – ISSN: 1852-4206

Interação em Psicologia – ISSN: 1981-8076

### **AD HOC REVIEWS (Awards and Conferences)**

Leo and Rachel Hendlisz Awards - Douglas Research Centre McGill University

International Test Commission Conference (ITC-Conference 2020), Luxembourg, Belgium.