

Rafaela M. Fontes, Ph.D.
Fralin Biomedical Research Institute at VTC
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EDUCATION

- 2018 - 2022 **Ph.D., Psychology**
Psychology Department, Utah State University
Dissertation: Punishment and choice
Dissertation Chair: Timothy A. Shahan, Ph.D.
- 2015-2018 **Ph.D., Behavioral Sciences**
Department of Basic Psychological Process, Institute of Psychology, University of Brasília, Brasília/DF, Brazil
Dissertation: Efeitos da punição de uma resposta alternativa na ressurgência de uma resposta alvo previamente extinta (The effects of punishment for an alternative response on resurgence of a previously extinguished target response)
Dissertation Chair: João Claudio Todorov, Ph.D.
- 2013-2015 **M.S., Behavioral Sciences**
Department of Basic Psychological Process, Institute of Psychology, University of Brasília, Brasília/DF, Brazil
Thesis: Controle de estímulos em metacontingência (Stimulus control in metacontingency)
Dissertation Chair: João Claudio Todorov, Ph.D.
- 2008-2013 **B.A., Psychology**
Department of Psychology, Federal University of Sergipe, Aracaju/SE, Brazil
Thesis: Estudos sobre a adequação de uma interpretação analítico-comportamental do teste de Rorschach (Studies on the fitness of a behavior-analytical interpretation of the Rorschach Test)
Chairperson: Diogo Conque Seco, Ph.D.

Professional Interests

Experimental Analysis of Behavior; Punishment; Aversive Control; Choice Behavior; Quantitative Models; Behavior Economics; Addiction

HONORS AND AWARDS

- 2024 **Addiction Recovery Research Center Impact Award**
Fralin Biomedical Research Center at VTC
- 2024 **Early Career Poster Award**
2024 National Conference on Addition Recovery Science
- 2023 **APA Division 25 SEAB Dissertation Award in Basic Research**
American Psychological Association
- 2023 **Top Cited Article for “Punishment and its putative fallout: A reappraisal”**
Journal of the Experimental Analysis of Behavior, Wiley
- 2022 **Top Downloaded Article for “Punishment and its putative fallout: A reappraisal”**

2021-2022	Journal of the Experimental Analysis of Behavior, Wiley Anthony LaPray Scholarship Department of Psychology, Utah State University
2020-2021	Walter R. Borg Scholarship and Research Productivity Award Department of Psychology, Utah State University
2019-2020	Ray Alvord Scholarship Department of Psychology, Utah State University
2018	SABA Senior Student Presenter Grant Society for the Advancement of Behavior Analysis
2016-2017	Fulbright Doctoral Dissertation Research Award Fulbright & CAPES Brazil

POSITIONS HELD

Research Positions

2024-Present	Research Scientist Addiction Recovery Research Center Fralin Biomedical Research Institute, Virginia Tech Carilion
2022-2024	Postdoctoral Associate Addiction Recovery Research Center Fralin Biomedical Research Institute, Virginia Tech Carilion
2021	Research Assistant Department of Psychology, Utah State University Punishment and choice – Departmental Grant PI: Timothy Shahan, Ph.D.
2020	Research Assistant Department of Psychology, Utah State University Quantitative models of punishment – Departmental Grant PI: Timothy Shahan, Ph.D.
2019	Research Assistant Alcohol seeking and resurgence following escalating negative consequences - (R21AA025604) National Institute on Alcohol Abuse and Alcoholism PI: Timothy Shahan, Ph.D.
2016-2017	Fulbright Visiting Researcher Department of Psychology, Utah State University Faculty Supervisor: Timothy Shahan, Ph.D.

Teaching Positions

2022-2024	Lecturer (short-term courses) Brasilia Institute for Behavior Analysis, Brasília/DF, Brazil Courses: Basic Behavioral Processes II; History of Behavior Analysis; Behavior Variation and Selection
2021	Guest Lecturer (one semester) Center of Behavioral Theory and Research, Federal University of Pará

Course: Methods in Experimental Analysis of Behavior

- 2021 Instructor (one semester)
Department of Psychology, Utah State University, Logan/UT
Courses: 1400 - Analysis of Behavior: Basic Principles;
1410 – Laboratory Accompanying Psychology 1400
- 2018-2021 Graduate Teaching Assistant (six semesters)
Department of Psychology, Utah State University, Logan/UT
Courses: 1400 - Analysis of Behavior: Basic Principles;
1410 – Laboratory Accompanying Psychology 1400;
3400 – Advanced Behavior Analysis
Instructors of record: Renee Renda, Ph.D., Paul Cunningham, Gregory Madden,
Ph.D.
- 2017-2018 Lecturer, Supervisor (two semesters, short-term courses)
Brasilia Institute for Behavior Analysis, Brasília/DF, Brazil
Courses: Experimental Analysis of Behavior I
Experimental Analysis of Behavior II
Verbal Behavior
Evaluation, Measurement and Research
Fundamentals of Radical Behaviorism
Epistemological Bases of Radical Behaviorism
- 2016-2018 Lecturer (three semesters)
Department of Psychology, IESGO College, Formosa/GO, Brazil
Courses: Basic Psychological Processes (Spring/2016)
Behavioral Theories (Spring/2016, Fall/2017 and Spring/2018)
Learning Psychology (Fall/2017 and Spring/2018)
- 2013; 2015; 2017 Instructor (three semesters)
Department of Basic Psychological Process, Institute of Psychology, University of
Brasília Brasília/DF, Brazil
Course: Introduction to Psychology (Fall/2013, Fall/2015, Fall/2017)
Supervisors: Eileen Pfeiffer Flores, Ph.D; Raquel Aló, Ph.D.
- 2010-2011 Undergraduate Teaching Assistant (four semesters)
Department of Psychology, Sergipe Federal University, Aracaju/SE, Brazil
Courses: Theories and Systems in Psychology II
Laboratory Practice in Experimental Psychology
Instructor of record: Diogo Conque Seco, Ph.D.

PUBLICATIONS

Total citations: 119

H index: 6

i10 index: 5

Source: [Google Scholar](#)

*Last name changed from Azevedo to Fontes in 2017

Underline indicates mentees

Book Chapters

- 1) Bickel, W. K., **Fontes, R. M.**, Cabral, D. A. R., Nist, A. N., & Freitas-Lemos, R. (2024). Behavioral economics of addiction: A Reinforcer Pathology approach. In I. H. A. Franken, R. Weirs, & K. Witkiewits (Ed.), *The Sage Handbook of Addiction Psychology*. Sage.
- 2) Agnew, C. N, **Fontes, R. M.**, DeRosa, N. M., & Craig, A. R. (2024). Reinforcement: Foundational Principles and Their Applications. In: H. S. Roane, A. R. Craig, V. Saini, & J. E. Ringdahl (Org.). *Behavior Analysis: Translational Perspectives and Clinical Practice*. New York, NY: The Guilford Press.
- 3) **Fontes, R. M.**, & Ferreira, D. C. S. (2020). Personalidade em uma perspectiva analítico-comportamental: considerações sobre métodos de avaliação psicológica. In J. C. Todorov (Ed.), *Comportamento e Cultura: Análise de Interações* (pp 50-66). Brasília, DF: Technopolitik.
- 4) **Fontes, R. M.**, & Todorov, J. C. (2020). Controle de estímulos e contraste comportamental em uma tarefa de cooperação. In J. C. Todorov (Ed.), *Comportamento e Cultura: Análise de Interações* (pp 67-89). Brasília, DF: Technopolitik.
- 5) Todorov, J. C., & **Azevedo, R. M. F.** (2016). Clarice Lispector, tempo e consequências: considerações sobre contraste comportamental. In: Soares, P. G., Almeida, J. H., & Cançado, C. R. X. (Org.). *Experimentos Clássicos em Análise do Comportamento*. Brasília: Editora do Insitituto Walden 4, 64- 77.

Peer-Reviewed Publications

- 1) **Fontes, R. M.**, & Shahan, T. A. (in press). Punishment and Dynamic Choice: Assessment of the Direct-Suppression Model. *Journal of the Experimental Analysis of Behavior*.
- 2) **Fontes, R. M.**, Tegge, A. N, Freitas-Lemos, R., Cabral, D., & Bickel, W. K. (2025). Beyond the first try: How many quit attempts are necessary to achieve substance use cessation? *Drug and Alcohol Dependence*, 267. <https://doi.org/10.1016/j.drugalcdep.2024.112525>
- 3) Bovo, A. C. L., **Fontes, R. M.**, Cabral, C. R. A., & Coelho, C. (in press). O custo da espera: o desconto pelo atraso como preditor do tabagismo (The cost of waiting: delay discounting as a predictor of smoking behavior). *Fragmentos de Cultura*.
- 4) Myslowski, J., McClure S., Lisinski, J., Tomlinson, D. C., Kablinger, A. S., MacKillop, J. C., Koffarnus, M., **Fontes, R. M.**, Bickel, W. K., & LaConte, S. M. (2024). Connectivity Changes Following Episodic Future Thinking in Alcohol Use Disorder. *Brain Connectivity*. <https://doi.org/10.1089/brain.2024.0025>
- 5) Cabral, D. R. A, **Fontes, R. M.**, Tegge, A. N., Owen, M., Nguyen, J., Athmeneh, L., & Bickel, W. K. (2024). Running towards substance use recovery: Does delay discounting mediate the relationship between physical activity and quality of life? *Mental Health and Physical Activity*, 27(3), 100635. <https://doi.org/10.1016/j.mhpa.2024.100635>
- 6) Bickel, W. K., Freitas-Lemos, R., Myslowski, J. Quddos, F. **Fontes, R. M.**, Barbosa-França, B. Faubion-Trejo, R., & LaConte, S. M., (2023). Episodic Future Thinking as a Promising Intervention for Substance Use Disorders: A Reinforcer Pathology Perspective. *Current Addiction Reports*, 10, 494–507. <https://doi.org/10.1007/s40429-023-00498-z>
- 7) **Fontes, R. M.**, & Shahan, T. A. (2022). Effects of repeated exposure to escalating versus constant punishment intensity on response allocation. *Journal of the Experimental Analysis of Behavior*, 118(1), 59–82. <https://doi.org/10.1002/jeab.766>

- 8) **Fontes, R. M.**, & Shahan, T. A. (2021). Punishment and its putative fallout: A reappraisal. *Journal of the Experimental Analysis of Behavior, Special Issue: Murray Sidman: A retrospective appreciation of a distinguished scientist*, 115(1), 185–203. <https://doi.org/10.1002/jeab.653>
- 9) **Fontes, R. M.***, Todorov, J. C., & Shahan, T. A. (2018). Punishment of an alternative behavior generates resurgence of a previously extinguished target behavior. *Journal of the Experimental Analysis of Behavior*, 110(2), 171–184. <https://doi.org/10.1002/jeab.465>
- 10) **Azevedo, R. M. F.**, & Todorov, J. C. (2016). Controle de estímulos e contraste comportamental em uma tarefa de cooperação. *Revista Brasileira de Análise do Comportamento*, 12, 95-105.

Manuscripts Under Review

- 1) Bickel, W. K., **Fontes, R. M.**, Nist, A. N., Nusair, G., Quddos, F., Bovo, A. C. L, Cabral, D. A. R., & Freitas-Lemos, R. Episodic Future Thinking as a Trans-disease Intervention for Promoting Health-Behaviors: A Critical Review. *Health Psychology and Behavioral Medicine*.
- 2) Cabral, D. A. R., Nist, A. N., **Fontes, R. M.**, Bruckner, L. E., Bovo, A. C. L., & Bickel, W. K. Food for thought: The relationship between poor eating habits, delay discounting, and quality of life in substance use recovery. *Eating Behaviors*.
- 3) Cabral, D. A. R., Nist, A. N., Nusair, G., **Fontes, R. M.**, Bovo, A. C. L., & Bickel, W. K. Running toward recovery II: Associations between physical activity, recovery capital and hope in substance use recovery. *Mental Health and Physical Activity*.
- 4) **Fonseca, S. S.**, **Fontes, R. M.**, de Carvalho Neto, M. B. Efeitos da exposição repetida do procedimento de ressurgência sobre a magnitude da recorrência da resposta alvo. *Acta Comportamental*.
- 5) **Fontes, R. M.**, Bovo, A. C. L., Freitas-Lemos, & Bickel, W. K. Differential Discounting of Past and Future Gains and Losses in Individuals in Recovery from Substance Use Disorder. *Experimental and Clinical Psychopharmacology*.

PRESENTATIONS

Invited Addresses

- 1) **Fontes, R. M.** (2024). Beyond the First Try: How Many Quit Attempts Are Necessary to Achieve Abstinence?. Talk presented at the Recovery Ecosystem: The Journey from Crisis to Community Support, Roanoke, VA.
- 2) **Fontes, R. M.** (2024). Episodic Future Thinking: A Candidate Intervention for Alcohol Use Disorder. Talk presented at the 2024 Fralin Biomedical Research Institute at VTC Annual Retreat, Hot Springs, VA.
- 3) **Fontes, R. M.** (2023). Punishment and Choice. Invited Address - SEAB Dissertation Award in Basic Research at the American Psychological Association Convention, Washington, DC.
- 4) de Carvalho Neto, M. B., & **Fontes, R. M.** (2022). Teorias Comportamentais da Punição: Processos Básicos, Modelos de Escolha e Algumas Aplicações (Behavioral theories of punishment: basic processes, choice models and Applied implications). Talk presented at the X Congresso de Terapia por Contingência de Reforço, Virtual Conference.

- 5) **Fontes, R. M.** (2021). Prof. Todorov: Contribuições recentes para a pesquisa básica (Prof. Todorov: recente contributions to basic research). Talk presented at the VII Encontro Goiano de Análise do Comportamento, Virtual Conference.
- 6) **Fontes, R. M.** (2021). Modelos experimentais de recaída (Experimental models of relapse). Talk presented at the II Jornada de Análise do Comportamento de Aracaju, Virtual Conference.

Paper Presentations

- 1) **Fontes, R. M.**, & Shahan, T. A. (2021). Punishment intensity and response allocation. Talk presented at the Symposium “Recent studies on punishment” during the 47th Annual Convention of the Association for Behavior Analysis International, Virtual Conference.
- 2) **Fontes, R. M.**, Todorov, J. C., & Shahan, T. A. (2018). Punishing an alternative behavior generates resurgence of a previously extinguished target behavior. Talk presented at the Symposium “Punishment: Don’t Throw the Baby out With the Bathwater!” during the 44th Annual Convention of the Association for Behavior Analysis International, San Diego, CA.
- 3) Todorov, J. C., Henriques, M. B., Vasconcelos, I., & **Azevedo, R. M. F.** (2015). Contingências e metacontingências no terceiro nível de seleção por consequências. Symposium conducted at the XXIV Brazilian Meeting for Behavioral Psychology and Medicine, São Paulo/SP, Brazil.
- 4) Almeida, S. P., Oliveira, J. M., Silva, F. S., Lima, T. C., **Azevedo, R. M. F.**, & Seco-Ferreira, D. C. (2011). O efeito da quantidade de marcas e o nível informativo na duração da procura por produtos em um hipermercado em Aracaju. Talk presented at the 7th North and Northeast Meeting for Psychology, Salvador/BA, Brazil.
- 5) **Azevedo, R. M. F.**, Oliveira, J. M., & Seco-Ferreira, D. C. (2011). Pichar, roubar e quebrar: análise de contingências que mantêm comportamentos de desacato à ambientes públicos. Talk presented at the 20th Brazilian Annual Convention for Behavioral Psychology and Medicine and 1st South American Conference for Behavior Analysis, Salvador/BA, Brazil.

Workshops

- 1) **Fontes, R. M.** (2022). Workshop (16h) on assembling and using MED Associates equipment presented at the Federal University of Pará, Belém/PA, Brazil.
- 2) **Fontes R. M.** (2022). Workshop (12h) on “Quantitative models of choice” presented at the Federal University of Pará, Belém/PA, Brazil.

Posters

- 1) Gervassi-Saga, A., **Fontes, R.**, Freitas-Lemos, R., Tomlinson, D., Mackillop, J. Stein, J., McClure, S. M., Tegge, A., & Bickel, W. K. (2024). A mediating role for delay discounting in the effect of episodic future thinking on demand. Poster presented at the Society for Neuroscience Annual Meeting, Chicago, IL.
- 2) Quddos, F., Tegge, A. N., **Fontes, R. M.**, Dwyer, C. L., & Bickel, W. K. (2024). Patterns and Recovery from Polysubstance use disorders; looking beyond single substance use. Poster presented at the American Psychological Association Convention, Seattle, WA.
- 3) **Fontes, R. M.**, Freitas-Lemos, R. Cabral, D. A. R., Tegge, A. N., & Bickel, W. K. (2024). The number of quit attempts varies as a function of the substance and previous quitting experience.

Poster presented at the 47th Annual Research Society on Alcoholism Scientific Meeting, Minneapolis, MN.

- 4) Cabral, D., Nist, T., **Fontes, R. M.**, Bruckner, L., Bovo, A. C., Bickel, W. K. (2024). Food for thought: The relationship between poor eating, delay discounting and quality of life in substance use recovery. Poster presented at the 2024 Fralin Biomedical Research Institute Annual Retreat, Hot Springs, VA.
- 5) Cabral, D., **Fontes, R. M.**, Tegge, A., Owen, M., Nguyen, J., Thomas, D., & Bickel, W. (2024). Delay discounting mediates the relationship between physical activity and quality of life in substance use. Poster presented at the 2024 American College of Sports Medicine Annual Meeting, Boston, MA.
- 6) **Fontes, R. M.**, & Shahan, T. A. (2024). Punishment in the context of dynamic choice. Poster presented at the Society for the Quantitative Analysis of Behavior 2024 Annual Conference, Philadelphia, PA.
- 7) **Fontes, R. M.**, Freitas-Lemos, R. Cabral, D. A. R., Tegge, A. N., & Bickel, W. K. (2024). The number of quit attempts varies as a function of the substance and previous quitting experience. Poster presented at the Inaugural National Conference on Addiction Recovery Science, Virtual Conference.
- 8) Quddos, F., **Fontes, R. M.**, Dwyer, C. L., Tomlinson, D. C., Tegge, A. N., & Bickel, W. K. (2024). Proportion of remission: a novel measure of recovery from polysubstance use disorders. Poster presented at the Inaugural National Conference on Addiction Recovery Science, Virtual Conference.
- 9) Tomlinson, D. C., **Fontes, R. M.**, Quddos, F., Dwyer, C. L., Athamneh, L. N., Tegge, A. N., & Bickel, W. K. (2023). Discounting, quality of life, and proportion of remission in polysubstance users. Poster presented at the 2023 Fralin Biomedical Research Institute Annual Retreat, Hot Springs, VA.
- 10) **Azevedo, R. M. F.**, & Todorov, J. C. (2014). Investigação sobre os efeitos da discriminação operante na metacontingência: dados preliminares. Poster presented at the 44th Annual Meeting for the Brazilian Psychology Society, Ribeirão Preto/SP, Brazil.
- 11) Silva, F. S., Lima, K. M. C., **Azevedo, R. M. F.**, & Seco-Ferreira, D. C. (2010). O efeito do preço sobre a percepção de qualidade do produto. Poster presented at III Regional Meeting for the Interamerican Psychology Society.

PROFESSIONAL SERVICES

Editorial Activities

Ad Hoc reviewer for:

Journal of the Experimental Analysis of Behavior

Quarterly Journal of Experimental Psychology

Journal of Substance Use and Addiction Treatment

Frontiers in Public Health

Journal of Safety Research

Revista Brasileira de Terapia Comportamental e Cognitiva

Comportamento em Foco

The Psychological Record

Journal of Applied Behavior Analysis

Acta Comportamentalia: Revista Latina de Análisis del Comportamiento

Revista Brasileira de Análise do Comportamento (Brazilian Journal of Behavior Analysis)

Organizational Service

- 2024 Co-Chair of the Innovative Student Research Award Committee
APA Division 25
- 2023 Award Committee for the 2024 APA Division 25 Basic Dissertation Award
APA Division 25
- 2023 Award Committee for the Innovative Student Research Award
APA Division 25
- 2021 Symposium Chair, "Recent studies on punishment"
47th Annual Convention of the Association for Behavior Analysis International
- 2021 Poster discussant
47th Annual Convention of the Association for Behavior Analysis International

Memberships

- 2023 – Member, American Psychological Association
- 2017- Member, Association for Behavior Analysis International
- 2017- Member, Society for the Quantitative Analyses of Behavior
- 2014- Member, Brazilian Association for Behavior Analysis

SUPERVISION AND MENTORSHIP

Committee Chair

- 2018 Juliana D. Sales, Specialization Thesis
Certification Training in Clinical Behavior Analysis, Brasilia Institute for Behavior Analysis
- 2018 Milene V. Soares, Specialization Thesis
Certification Training in Clinical Behavior Analysis, Brasilia Institute for Behavior Analysis
- 2018 Maria da Consolação Teixeira, Specialization Thesis
Certification Training in Behavior Analysis with Emphasis in Autistic and Neurodiverse People – Brasilia Institute for Behavior Analysis
- 2018 Paula M. do A. Guimarães, Specialization Thesis
Certification Training in Behavior Analysis with Emphasis in Autistic and Neurodiverse People – Brasilia Institute for Behavior Analysis
- 2017 Lara R. Queiroz, Specialization Thesis
Certification Training in Behavior Analysis with Emphasis in Autistic and Neurodiverse People – Brasilia Institute for Behavior Analysis

Committee Co-Chair

- 2021-2024 Sara Sousa da Fonseca, Master's Thesis (co-advisor)
Center of Behavioral Theory and Research, Federal University of Pará

Committee Member

- 2023-2024 Cibele Calza, Master Thesis
Psychology Department, Pontifical Catholic University of São Paulo
- 2022-2023 Gabriel Henderson Soares Rolim, Master Thesis
Center of Behavioral Theory and Research, Federal University of Pará

- 2021 Sara Sousa da Fonseca, Undergraduate Thesis
College of Psychology, Pará Federal University (Brazil)
- 2021 Elisama dos Santos Almeida, Undergraduate Thesis
College of Psychology, Pará Federal University (Brazil)

Mentorship

- 2024 Laura Bruckner, Translational Biology, Medicine and Health Ph.D. Program Rotation
Fralin Biomedical Research Institute at VTC
- 2023 Daniel Sane, Translational Neurobiology Summer Undergraduate Research
Fellowship
Fralin Biomedical Research Institute at VTC
- 2023 Zachary Hubshman, Translational Neurobiology Summer Undergraduate Research
Fellowship
Fralin Biomedical Research Institute at VTC

GRANT SUPPORT

- 2022-Present 5R01 DA054216 (MPI: Warren K. Bickel, Stephen LaConte)
Role: Postdoctoral Associate/Research Scientist
An Experimental Medicine Approach for the Mechanistic Understanding of Cocaine Use Disorder: Reinforcer Pathology
The proposed project uses Reinforcer Pathology, an Experimental Medicine approach that identifies novel determinants of cocaine valuation at multiple levels of analysis (behavioral, neural, and computational), to mechanistically test a new conceptual framework for understanding cocaine use disorder. Existing treatments for cocaine use disorder are not optimally robust and are further limited by an incomplete understanding of the mechanisms of cocaine use disorder - a gap that this project aims to address. Results from these studies will positively impact public health because Reinforcer Pathology suggests innovative interventions that will decrease consumption and valuation of cocaine.
- 2022-Present R01 AA027381-05 (MPI: Warren K. Bickel, Stephen LaConte)
Role: Postdoctoral Associate/Research Scientist
Testing Reinforcer Pathology: Mechanisms and Interventions to Change Alcohol Valuation
The proposed project mechanistically tests a new conceptual framework for understanding alcohol use disorder, reinforcer pathology, which identifies novel determinants of alcohol valuation at multiple levels of analysis (behavioral, neural, clinical, and computational). Existing treatments for alcohol use disorder are less than optimally robust and are further limited by an incomplete understanding of the mechanisms of alcohol use disorder - a gap that this project aims to address. Results from these studies will positively impact public health because reinforcer pathology suggests innovative interventions that will decrease alcohol consumption and valuation.
- 2019 5R21 AA025604 (PI: Timothy Shahan)
Role: Graduate Research Assistant
Alcohol seeking and resurgence following escalating negative consequences
Alcohol abuse is characterized by chronic relapse to alcohol seeking following periods of abstinence. This project seeks to develop a novel behavioral procedure for an animal model of relapse to alcohol seeking that is better aligned with the human condition by

modeling abstinence generated by escalating negative consequences and relapse induced by loss of non-drug sources of reward.

SKILLS

Research Skills

Project management; grant and proposal writing; research methodology and design; Institutional Review Board clearance; participant recruitment; animal care; data collection; data management; online survey design and programming; statistical analysis

Data Collection and Data Analysis Tools

R statistical software, Prism, Excel, MED-PC, Qualtrics, REDCap

Languages

Portuguese (native), English (fluent), Spanish (basic)