

# Francisco Cardozo

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## Education

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### *Education*

2020-present:

PhD Student program in Prevention Science and Community Health. Department of Public Health Science, Miller School of Medicine, University of Miami

2018:

MS Psychology. Universidad de los Andes. Bogotá, Colombia.

*Thesis:* Exploring Close and Extended Social Circles: How Different Types of Social Networks Influence Alcohol Use Among Students in Five Bogota Schools

*Advisor:* Andres Molano

2013:

BS Psychology. Universidad Nacional. Bogotá, Colombia

*Thesis:* Risk factors associated to experimental and heavy use of drugs in a sample of secondary school students.

*Advisor:* Augusto Pérez-Gómez

### *Trainings*

2023-07 Instructor Software|Data|Library Carpentry

2023-04 Teaching Academy Certificate. University of Miami

2023-03 Missing Data Using R. Statistical Horizons

2022-07 Research Design for Causal Inference. University of Chicago

2022-06 Introduction to Time-Varying Mediation Analysis with Application to Prevention Research. Society for Prevention Research pre-conference workshop

## Teaching

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### *Teaching Assistantships*

2023 Spring BST 623: Software Tools for Manuscript Development and Reproducible Research. Department of Public Health Sciences, University of Miami

2022 Spring EPH 752: Advanced Research Methods. Department of Public Health Sciences, University of Miami

2022 Summer BST 692: Data Science and Machine Learning for Health Research. Department of Public Health Sciences, University of Miami

2021 Fall BST 623: Software Tools for Manuscript Development and Reproducible Research. Department of Public Health Sciences, University of Miami

2021 Spring EPH 652: Research Methods. Department of Public Health Sciences, University of Miami

2016 - 2018 EDUC 4026: Advanced Research Methods. Department of Education, Universidad de Los Andes. Colombia

### *Guest Class Lectures*

- 2019 EDUC 4026. Guest lecture in Moderation in Regression (U. de los Andes)
- 2017 EPH 752. Guest lecture in Social Network Analysis (University of Miami)
- 2015 EPH 752. Guest lecture in Confirmatory Factor Analysis (University of Miami)

### *Class content development*

- 2022 EPH 752 Advanced Research Methods: Software Integration for Data Analysis
- 2022 EPH 752 Advanced Research Methods: Dyadic Data Analysis
- 2022 EPH 752 Advanced Research Methods: Monte Carlo Simulation to Estimate Power
- 2022 EPH 701 Research Methods: Causal Inference in Prevention Science

### *Instructor*

- 2015 - PSI 122: Quantitative Methods III. Department of Psychology, Universidad de El Bosque. Colombia
- 2018
- 2015 - PSY 131: Program evaluation. Department of Psychology, Universidad de El Bosque. Colombia
- 2018

## **Publications**

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### *Journal Articles (peer reviewed)*

1. **Cardozo, F.**, Brown, E. C., Mejía-Trujillo, J., & Pérez-Gómez, A. (2023). Moderated mediation of motivation and self-efficacy in a brief motivational interviewing intervention to reduce youth alcohol use. *Drugs: Education, Prevention and Policy*, 0(0), 1--7. <https://doi.org/10.1080/09687637.2023.2167649>
2. Brown, E., Montero-Zamora, P., **Cardozo, F.**, Reyes, M., Briney, J., Mejía-Trujillo, J., & Gómez, A. (2021). A comparison of cut points for measuring risk factors for adolescent substance use and antisocial behaviors in the U.S. And colombia. *International Journal of Environmental Research and Public Health*, 18, 470. <https://doi.org/10.3390/ijerph18020470>
3. Eisenberg, N., Brown, E., Mez, A., Mejía-Trujillo, J., Paredes-Aguilar, M., **Cardozo, F.**, Maipo, S., & Guttmannova, K. (2020). Community utilization of risk and protective factor data for prevention planning in chile and colombia. *Health Promotion International*, 2020, 1--13. <https://doi.org/10.1093/heapro/daaa075>
4. Reyes, M., Pinto-Gómez, C., **Cardozo, F.**, Pérez-Gómez, A., Mejía-Trujillo, J., & Toro, J. (2020). Evaluation of the prevention program brief intervention based on motivational interviewing in colombian adolescents. *International Journal of Mental Health and Addiction*, 18, 1--11. <https://doi.org/10.1007/s11469-019-0057-3>
5. Pérez-Gómez, A., **Cardozo, F.**, & Salcedo-Tocarruncho, L. (2020). Association between psychoactive substance abuse and health disorders in colombian problem drug users: Second study. *International Journal of Mental Health and Addiction*, 18. <https://doi.org/10.1007/s11469-018-9881-0>
6. Montero-Zamora, P., Reyes, M., **Cardozo, F.**, Brown, E., Gómez, A., Mejía-Trujillo, J., Toro, J., & Paredes, M. (2020). Adolescent substance use and its association with risk and protective factors. An exploratory analysis of the large-scale school survey of comunidades que se cuidan, colombia. *Adicciones*, 32, 105--115. <https://doi.org/10.20882/adicciones.1083>
7. Pérez-Gómez, A., Lanziano, C., Reyes, M., Mejía-Trujillo, J., & **Cardozo, F.** (2018). Perfiles asociados al consumo de alcohol en adolescentes colombianos. *Acta Colombiana de Psicología*, 21, 258--281. <https://doi.org/10.14718/ACP.2018.21.2.12>
8. Reyes, M., Mejía-Trujillo, J., Gómez, A., **Cardozo, F.**, Pinto, C., & Pinto Gómez, J. C. (2018). Effectiveness of a brief intervention based on motivational interviewing in colombian adolescents. *Psicología: Teoría e Pesquisa*, 33. <https://doi.org/10.1590/0102.3772e33421>

### *Books and Book chapters*

1. **Cardozo, F.**, & Molano, A. (2016). Análisis estadísticos. Elementos fundamentales de análisis

estadísticos en SPSS. In L. García & J. Escobar (Eds.), *Análisis estadísticos*.

Elementos fundamentales de análisis estadísticos en SPSS (pp. 101--108). Editorial Universidad El Bosque.

2. Pérez-Gómez, A., Mejía-Trujillo, J., Reyes-Rodríguez, M. F., & **Cardozo, F.** (2015). Consumo de alcohol en menores de 18 años en Colombia: 2015. Segundo estudio en siete capitales y dos municipios pequeños. (p. 204). Dupligráficas Ltda. <http://nuevosrumbos.org/wp-content/uploads/2015/12/Consumo-de-Alcohol-en-menores-de-edad-en-Colombia-2015.pdf>

### *Conference Presentations*

*\*\*to present*

1. **Cardozo, F.** (2023). Exploring the interrelationships between NIH-funded projects on adolescent alcohol use: A two-mode network analysis. To present at Sunbelt 2023. International Network for Social Network Analysis. <https://www.insna.org/events/sunbelt-2023>
2. **Cardozo, Francisco.** (2023). Exploring the similarities in parent-child perceptions of drug use risk: The role of genetics and environment. To present at Fifth Annual Graduate and Postdoctoral Research Symposium. [https://events.miami.edu/event/research\\_symposium\\_2023](https://events.miami.edu/event/research_symposium_2023)
3. Balise, R., Nahodyl, L., Calderon, A., & **Cardozo, F.** (2022). How to create publication-ready tables in R. Presented at UseR conference. <https://user2022.r-project.org/program/tutorials/>
4. **Cardozo, F.**, & Molano, A. (2021). Ecological factors in friendship relationships and alcohol use in scholars. Presented at Networks 2021: A Joint Conference of Sunbelt and NetSci. <https://doi.org/10.13140/RG.2.2.17630.28487>

### *Poster Presentations*

1. **Cardozo, F.**, Brown, E., Mejía-Trujillo, J., & Pérez-Gómez, A. (2021). Moderated mediation of motivation and self-efficacy in a brief motivational interviewing intervention to reduce youth alcohol use. Poster presented at Society for Prevention Research Annual Meeting, SPR. <https://doi.org/10.13140/RG.2.2.17630.28487>
2. **Cardozo, F.**, Guerrero, P., & Molano, A. (2017). Time-variant effects of friendship change on academic achievement: An exploratory social network analysis in Colombia. Poster presented at Society for Research in Child Development, SRCD. <https://doi.org/10.13140/RG.2.2.17630.28487>
3. **Cardozo, F.**, & Molano, A. (2019). Close friends vs. The norm effect: Effects of proximal and distal alcohol social context. Poster presented at Society for Prevention Research Annual Meeting, SPR. <https://doi.org/10.13140/RG.2.2.11232.23048>

## **Research Projects**

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Organization of American States (OAS) - Inter-American Drug Abuse Control Commission (CICAD) and the University of Miami (UM): First Hemispheric Drug Use Prevention Forum

Funding Source: Copeland Foundation Award (DPHS Internal Application).

Grant #GR0153355 (Award # CFA02-2020).

Role: Graduate Research Assistant

Expanding the Use of Collaborative Data Science at UM: Machine Learning Methodology Dissemination in Latin America.

Funding Source: Institute for Data Science and Computing

Role: Co-PI

University of Miami: Dyadic analyses of parent-child perceptions of risk.

Funding Source: Prevention Education Research in Latin America.

Role: Graduate Research Assistant

University of Miami: Cost-effectiveness analysis of Tomando Buenas Decisiones: A prevention program to reduce alcohol use in adolescents.

Funding Source: Prevention Education Research in Latin America.

## Programming

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### *Skills*

Software: *Mplus*, Stata, Excel, SPSS, Nvivo.

Programming Languages: R, Julia, Python.

Reproducible Report: Quarto, Markdown/Rmarkdown, R Shiny Apps, Jupyter Notebook, LaTeX.

DevOps: Git, GitHub.

Web development: Hugo, Blogdown, GitHub Pages, Netlify.

### *R Packages development*

2022 DocumentData: A package to document data sets.

2022 ChessOlympiad: A collection of datasets to practice multilevel models.

### *Interactive applications*

2022 Tutorial: How to create pretty tables in R. (University of Miami)

2022 Shiny application: Simulation app to analyze reporting bias in adolescent drug use research.

2022 Tutorial: Pivot dataset to long and wide format. (University of Miami)

2022 Web pages: Underage Drinking Prevention Toolkit. (University of Miami)

## Professional Memberships

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2022-present: Society for Prevention Research. SPR

2021-present: International Network for Social Network Analysis. INSNA.

## Honors

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2020 Scholarship for Doctoral Studies Fulbright

2016 Academic Scholarship IRENEO ROSSIER. Universidad de los Andes

## Languages

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Spanish, English