

# Catalina Cañizares

PHD CANDIDATE

Florida International University

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## Education

### Florida International University

PHD IN SOCIAL WELFARE

Miami, United States

Current

### Universidad de los Andes

MASTER IN CLINICAL AND HEALTH PSYCHOLOGY

Bogotá, Colombia

2014

### Universidad de los Andes

PYSCHOLOGY

Bogotá, Colombia

2012

## Research

### Research Coordinator

ROBERT STEMPEL COLLEGE OF PUBLIC HEALTH AND SOCIAL WORK

Florida International University

2022 - Present

- World Trade Center Health Study in Florida.
  - Build the strategy to collect data and grant application support

### Research Assistant as an Independent Contractor

SCHOOL OF SOCIAL WORK

Boston College

2022 - Present

- Mothers and Children of All Nations Defying the Odds.
  - Analysis of qualitative data

### Research Assistant

DEPARTMENT OF PSYCHOLOGY

Universidad de los Andes

2012 - Present

- Depression and genetics.
  - Review and select literature, collect and analyze data, evaluate and write proposals for publication.

### Research Assistant

DEPARTMENT OF PSYCHOLOGY

Universidad de los Andes

2018 - January 2019

- Adaptation and Validation of the Unified Protocol for victims of armed conflict in Colombia.
  - Implement the Unified Protocol with victims of armed conflict in Colombia

## Teaching Experience

### Co-Teacher

R COMPUTING FOR HEALTH SCIENCES

Florida International University

June 2023 - August 2023

- Introduction to Supervised Machine Learning

### Teacher Assistant

R MEDICINE 2023

Virtual Conference

June 2023 - June 2023

- R Medicine 101: Introduction to Clinical Data Analysis with R

### Instructor

THE RESEARCH CENTERS IN MINORITY INSTITUTIONS (RCMI) CONSORTIUM

Morehouse School of Medicine

February 2023 - May 2023

- A 10-week national series to the R Programming language, using a modified version of the R for Reproducible Scientific Analysis Data Carpentry curriculum

### Teacher Assistant

INSTITUTE FOR DATA SCIENCE AND COMPUTING

Miami University

February 2023 - February 2023

- Facilitated educational sessions on Git, Shell, and R using the Data Carpentry curriculum

### Teacher Assistant

BIOSTATISTICS

Florida International University

January 2023 - April 2023

- Advanced R for postgraduate students

### Teacher Assistant

BIOSTATISTICS

Florida International University

June 2022 - August 2022

- Advanced R for postgraduate students

## Graduate Teaching Assistantship

SPANISH CENTER

- Tutored undergraduate students in Spanish writing skills.
  - Developed and implemented activities and rubrics to evaluate skills in Spanish writing.
  - Assisted the course Fundamentals of Psychology (spring, 2013 and fall, 2013).

Universidad de los Andes

January 2013 - December 2013

## Undergraduate Teaching Assistantship

DEPARTMENT OF PSYCHOLOGY

- Assisted the course Neuroscience 1 (Spring, 2010)

Universidad de los Andes

January 2010 - May 2010

## Publications

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1. Cañizares, C., Gómez-Maquet, Y., Ferro, E., Torres, C., Agudelo, D., & G, O. (2023). Using tree-based models to identify factors contributing to trait negative affect in adults with and without major depression. *Research Square, Version 1*. <https://doi.org/10.21203/rs.3.rs-2978274/v1>
2. Macgowan, M., & Cañizares, C. (2023). *La formación de grupos basada en la evidencia para el trabajo con familias* (C. O. Socias & M. B. P. Barrio, pp. 131–151). Octaedro.
3. Cañizares, C., & Macgowan, M. J. (2023). Interventions for adolescent suicide ideation and suicide attempts in latin america and spain: A systematic review. *Research on Social Work Practice, 0*(0). <https://doi.org/10.1177/10497315231178462>
4. Gómez-Maquet, Y., Velásquez Toledo, M., Cañizares, C., Uribe, C., Manzanilla, I., Ferro, E., Agudelo, M., Arenas Borrero, Á., & Lattig, M. (2022). The role of cognitive schemas and childhood adversity in the likelihood of developing major depressive disorder. *Revista Latinoamericana de Psicología, 54*. <https://doi.org/10.14349/r1p.2022.v54.8>
5. Gómez-Maquet, Y., Ángel, J. D., Cañizares, C., Lattig, M. C., Agudelo, D. M., Arenas, Á., & Ferro, E. (2020). The role of stressful life events appraisal in major depressive disorder. *Rev Colomb Psiquiatr (Engl Ed), 49*(2), 68–75. <https://doi.org/10.1016/j.rcp.2018.07.004>
6. Petro, L., Gaviria, A., Cañizares, C., Uribe, C., Ferro, E., Arenas Borrero, Á., Gómez-Maquet, Y., & Lattig, M. (2019). Assessment of perception of stressful life events as important factors in major depressive disorder (MDD). *European Neuropsychopharmacology, 29*, S841–S842. <https://doi.org/10.1016/j.euroneuro.2017.08.108>
7. Lattig, M., Villamizar, V., Gaviria, A., Ángel, J., Cañizares, C., Ferro, E., Arenas Borrero, Á., & Gómez-Maquet, Y. (2017). BDNF methylation and stress response in a clinical population with major depressive disorder. *Biological Psychiatry, 81*, S96. <https://doi.org/10.1016/j.biopsych.2017.02.247>
8. Horn, A., Cañizares, C., & Gómez-Maquet, Y. (2014). Prevention of adolescent depression in the spanish-speaking world. *International Journal of Environmental Research and Public Health, 11*, 5665–5683. <https://doi.org/10.3390/ijerph110605665>

## Software development

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1. Cañizares, C. (2023). *dissertationData: Cleaned and combined YRBS 2017, 2019 and 2021 data*. <https://ccani007.github.io/dissertationData/authors.html#citation>

## Conference presentations

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1. Cañizares, C., Lucchini, R., & Macgowan, M. (2023). *Predicting PTSD diagnosis in a cohort of first responders to the 9/11 attacks: A supervised machine learning approach using classification trees*. 15th International Work, Stress, and Health Conference: Work and Mental Health - Challenges and Solutions in a Changing World, Miami, FL. United States of America.
2. Macgowan, M., Arias-Astray, A., Baar, H., Benbow, S., Cañizares, C., Greenhouse-Gardella, L., Garvin, C., Godfrey-Kaplan, S., Muskat, B., Prinsloo, R., Seck, M., Simon, S., Smith, M., & Tully, G. (2023). *Applying the new IASWG standards with online considerations: It's time for practice!* Joan K. Parry Memorial Plenary at 2023 International Association for Social Work With Groups International Symposium.
3. Cañizares, C., Rusell, A., Macgowan, M., & Odom, G. (2023). *Hopelessness in youth: A supervised machine learning classification approach to identify risk factors*. Poster at the Society for Prevention Research 31st Annual Meeting, Washington D.C. United States of America.
4. Cañizares, C. (2023). *Contributing to scientific reproducibility: Using RMarkdown and knitr to create reproducible research documents*. Workshop presented at the Society for Social Work and Research 27th Annual Conference Battling Inequities and Building Solutions, Phoenix, AZ.
5. Cañizares, C., Macgowan, M. J., & Odom, G. (2023). *Risk factors associated with suicide attempts in u.s high school students since 2005: A replication study*. Oral Presentation at the Society for Social Work and Research 27th Annual Conference Battling Inequities and Building Solutions, Phoenix, AZ.

6.

Bursac, Z., Rodriguez, A., Williams, R., Bhoite, P., Gonzalez, I., Cañizares, C., & Odom, G. (2022). *R for data science in PublicHealth*. Oral Presentation at the International Data Science Conference Europe, Belgrade, Serbia.

7.

Cañizares, C., Macgowan, M., & Odom, G. (2022). *It just takes a question: The development of tidyDisasters and tidyYRBS*. Invited Speaker at the Data Science Conference US Health, Miami, FL.

8.

Cañizares, C., & Macgowan, M. (2022). *Interventions for adolescent suicidality in latin america: A systematic review*. Poster at the Society for Social Work and Research 26th Annual Conference - Social Work Science for Racial, Social, and Political Justice, Washington D.C. United States of America.

9.

Cañizares, C., & García, N. (2017). *Utilización de pruebas psicométricas en psicología clínica y su relación con el entrenamiento en formulación transdiagnóstica en un programa de maestría clínica y de la salud*. Oral presentation at Congreso Colombiano de Psicología: Psicología y Construcción de Paz, Medellín, Colombia.

10.

Cañizares, C., Martínez, M., Estupiñan, & Gutiérrez, C. (2015). *Desarrollo de guías clínicas en la casa espinosa-centro de prácticas de psicología clínica*. Panelist at the IV Forum of Clinical and Health Intervention Guidelines, Bogotá, Colombia.

## Work in Progress

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1.

Baiden, Philip, Cañizares, C., Broni, M., N, LaBrenz, C., A, & Baiden F, J. (2023). A population attributable fraction of forced sexual intercourse on the association between early sexual initiation and polysubstance use among adolescents. *Manuscript in Preparation*.

2.

Gómez-Maquet, Y., Cañizares, C., Ferro, E., & Torres, C. (n.d.). Longitudinal analysis of cognitive schemas in depressed patients: A colombian cohort study. *Manuscript in Preparation*.

3.

Lucchini, R., Cañizares, C., Borisenko, M., Nikita, Hu, N., Chaves, P., Hoz, R. de la, Brown, S., & Todd, A. (n.d.). Profile of a growing sub cohort of the world trade center health program residing in the state of florida. *Manuscript in Preparation*.

## Skills

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Software	Microsoft Office, SPSS, ATLAS.ti, Nvivo, Dedoose
Programming Languages	R, Python
Reproducible Report	Quarto, Markdown/Rmarkdown, R shiny apps, Jupyter Notebook
DevOps	Git, GitHub
Web development	Wordpress, GitHub Pages, Netlify
Languages	Spanish, English

## Honors

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<b>Honorable Mention: NIDA International Poster Session</b>	Washington, D.C
SOCIETY FOR PREVENTION RESEARCH	2023
• Honorable Mention for Poster Hopelessness in Youth: A Supervised Machine Learning Classification Approach to Identify Risk Factors. Prize: SPR Membership for 2024	
<b>The C.V. Starr Scholarship</b>	Miami, FL
ROBERT STEMPEL COLLEGE OF PUBLIC HEALTH AND SOCIAL WORK	2023
• Scholarship for Latin America and The Caribbean doctoral students with an award of up to \$27,941	
<b>The Stempel Travel Award</b>	Miami, FL
ROBERT STEMPEL COLLEGE OF PUBLIC HEALTH AND SOCIAL WORK	2023
• Award to graduate students in FIU Stempel College to attend conferences of up to \$750	
<b>Fulbright</b>	Bogotá
SCHOLARSHIP FULBRIGHT-MINCIENCIAS	2020
• Scholarship for Doctoral studies in the United States of America for \$330.000.000 COP	
<b>Spanish Center Award</b>	Universidad de los Andes
SCHOLARSHIP FOR POSGRADUATE STUDIES	2013
• Awarded for academic excellence and proficient knowledge in Spanish writing skills	

## Professional Membership

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## **Society for Social Work and Research**

MEMBER

2021 - Present

## **Society for Prevention Research**

MEMBER

2023 - Present

## **International Association for Social Work With Groups**

MEMBER

2023 - Present

## **American Psychological Association**

MEMBER

2022 - 2023

# **Professional Experience**

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## **Academic Coordinator**

Universidad de los Andes

SCHOOL OF EDUCATION

October 2017 - July 2020

- Arrangement of academic matters like schedules, lectures, classes and summer school for undergraduate, postgraduate and PhD programs of the School of Education.
  - Assess the quality of academic processes.
  - Support students throughout their programs and warrant their graduation.
  - Systematize information and use it to improve academic processes.

## **Clinical Psychologist**

Universidad de los Andes

OFFICE OF STUDENT AFFAIRS

March 2017 - October 2017

- Provided psychological attention for undergraduate and graduate students.
  - Designed psycho-educational workshops for students.
  - Mediated in disciplinary cases.
  - Supported the development of the protocol to report cases of sexual abuse and harassment (MAAD).

## **Clinical Manager of the Center of Psychology, Casa-Espinosa**

Universidad de los Andes

DEPARTMENT OF PSYCHOLOGY

February 2014 - March 2017

- Supervised students practicum of the Master in Clinical and Health Psychology.
  - Guided the development of intervention guidelines for the center of psychological attention.
  - Implemented technological features to gather information from patients to be used in further investigation.
  - Represented the center at the Colombian Network of Psychological University Centers Red ISUAP