Juan Felipe **Pérez Ariza**

Researcher

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About me

I am a Ph.D. student at the Department of Cognition, Emotion, and Methods in Psychology at the University of Vienna. My main interest is to understand how learning occurs in humans, and how it is mediated by neural plasticity and the interaction between neuronal networks. As such, I am deeply interested in understanding how our brains and behavior change when we learn new information, from the moment we encounter it to when we are skilled enough to creatively manipulate it in different contexts.

Skills

Programming

R	• Data Cleaning, Wrangling, and Visualization • Multilevel Linear Models using Maximum Likelihood and Bayesian Updating • Generalized Multilevel Linear Models Using Maximum Likelihood and Bayesian Updating • Reproducible reports using R markdown and LaTeX
Python	• Data Cleaning, Wrangling, and Visualization • General File Management • Display of Graphical and Auditory Stimuli
MATLAB	• Basic Syntax and Data Structures • Basic Familiarity with the SPM12 Toolbox to Analyze fMRI Data
Julia	• Basic Syntax and Data Structures

Research	Software Packages	• OpenSesame • PsychoPy • Jamovi • Audacity • Praat	**Languages**	Spanish • Native English • C1 French • C1 German • A2

Research

Research Interests	Learning, Memory, Attention, Music Cognition
Primary Research Methods	Behavioral Experiments, Computational Modelling

Education

University of Vienna   *Vienna, Austria*
Ph.D. Psychology   *Current*

- Research Project: *Structure Building in Language and Music*

- Supervisor: Dr. Tudor Popescu

- My research project explores similarities in how the brain processes syntactical structures of music and language.

Goldsmiths, University of London   *London, United Kingdom*
M.Sc. Music, Mind & Brain   *2022*

- Research Project: *Exploring the Region of Proximal Learning with Music*

- Supervisor: Dr. Diana Omigie

- My research project explored the influence of musical structure on attention by studying the relationship between music-induced curiosity and mind-wandering.

Universidad Pedagógica Nacional

Bogotá, Colombia

B.A Music Education

2019

- Research Project: *Musicalidad y Cohesión Social: Una Aproximación Experimental y Bibliográfica* [Musicality and Social Cohesion: A Bibliographic and Experimental Approach]

- Supervisor: Dr. Juan David Leongómez

- My research project explored the hypothesis that making music among humans has had an evolutionary value by promoting prosocial behaviors.

Experience

Teaching

Universidad El Bosque

Bogotá, Colombia

Adjunct Lecturer

2023

- Research Methods I: Epistemological Foundations of Scientific Research

- Senior Research Seminar III: Interdisciplinary Approaches to Psychological Research

Research

Universidad El Bosque

Bogotá, Colombia

Research Assistant at *EvoCo: Human Behaviour and Evolution Lab*

2023 - 2024

- Design and Execution of Original Empirical Research

- Supervision of Undergraduate Research Projects

- Technical, Methodological, and Logistical Support

Preprints and Articles Under Review

Savage, P. E., Ampiah-Bonney, A., Arabadjiev, A., Arhine, A., **Ariza, J. F.**, . . ., & Zariquiey, R. (2024). *Does singing enhance cooperation more than speaking does? A global experimental Stage 1 Registered Report.* PsyArXiv. https://doi.org/10.31234/osf.io/pv3m9

Ariza, J. F., Omigie, D. (2024) *Curiosity During Music Listening is Anticorrelated with Mind Wandering: Support for the Region of Proximal Learning Hypothesis.* [Manuscript submitted for publication].

Scholarships, Awards and Honors

COLFUTURO - Minciencias

Colfuturo Scholarship - Loan

- In Recognition of High Academic Merit to Pursue a Master's Degree Abroad