



# Juan David Leongómez

ASSOCIATE PROFESSOR

Faculty of Psychology, Universidad El Bosque

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I am a researcher mainly interested in human behaviour, as well as quantitative methods and reproducible science.

## About me

I am an Associate Professor and researcher at **EvoCo: Human Behaviour and Evolution Lab**, and leader of the **CODEC: Cognitive and Behavioural Sciences Research Group** (classified as **A1**), within the **Faculty of Psychology** at the **Universidad El Bosque** in Bogotá, Colombia. I am also a founding and board member of the **Latin American Association for Human Behavioral and Evolutionary Sciences (LAAHBES)**.

**Research:** My work focuses on human vocal communication, mate choice, musicality, and hormonal influences on behaviour. I have published pioneering studies on vocal modulation in social and courtship contexts.

**Open Science:** I am interested in quantitative methods and programming, especially in **R**, as tools to promote open and reproducible science. In line with these values, I serve as a **recommender** (associate editor) at **PCI Registered Reports**, and **Data Editor** at **Proceedings of the Royal Society B**.



## Skills

**Programming** R (advanced: all data wrangling, analysis, plots and tables —and even this CV— made in R)

**Reproducible Reports** Markdown/R Markdown/Quarto (including L<sup>A</sup>T<sub>E</sub>X and HTML<sup>5</sup> code). Version control: Git and GitHub

**Quantitative Research** General and generalised models, linear mixed-effects models, multi-model inference, machine learning

**Software** RStudio, Visual Studio Code, Praat, Audacity, InkScape, Zotero

**Languages** English/Spanish (native)

## Education

### University of Stirling

PHD - PSYCHOLOGY

Stirling, UK

2014

### University of Liverpool

MSC IN EVOLUTIONARY PSYCHOLOGY

Liverpool, UK

2009

### Universidad Pedagógica Nacional

BA IN MUSIC PEDAGOGY

Bogota, Colombia

2006

## Working and Teaching Experience

For a full list, and a description of responsibilities, please check [my website](#) or my [academic CV](#).

### Universidad El Bosque

ASSOCIATE PROFESSOR

Bogota, Colombia

Jan. 2015 - Present

## Accomplishments

For information on **grants, scholarships, awards** and **prizes**, please check [my website](#) or my [academic CV](#).

## Selected Publications

16 h-index

32 g-index

21 i10-index

46 Publications

1081 Citations

For a full list, please check the publications section on [my website](#) or my [academic CV](#).

**Note:** first, last, or corresponding author in all these publications.

- Vásquez-Amézquita, M., Castellanos-Chacón, A., Medina-Sarmiento, W., Cepeda, V., Martínez-González, M. B., & **Leongómez, J. D.** (2025). Resource availability and experiences of partner violence shape facial masculinity preferences in Colombian women. *Evolution and Human Behavior*, 46(4), 106707. <https://doi.org/10.1016/j.evolhumbehav.2025.106707>
- Leongómez, J. D.**, Havlíček, J., & Roberts, S. C. (2022). Musicality in human vocal communication: An evolutionary perspective. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 377, 20200391. <https://doi.org/10.1098/rstb.2020.0391>
- Kleisner, K., **Leongómez, J. D.**, Pisanski, K., Fiala, V., Cornec, C., Groyecka, A., ... Akoko, R. M. (2021). Predicting strength from aggressive vocalisations versus speech in African bushland and urban communities. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 376, 20200403. <https://doi.org/10.1098/rstb.2020.0403>
- Leongómez, J. D.**, Pisanski, K., Reby, D., Sauter, D., Lavan, N., Perlman, M., & Varella Valentova, J. (2021). Voice modulation: From origin and mechanism to social impact. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 376, 20200386. <https://doi.org/10.1098/rstb.2020.0386>
- Leongómez, J. D.**, Sánchez, O. R., Vásquez-Amézquita, M., & Roberts, S. C. (2021). Contextualising courtship: Exploring male body odour effects on vocal modulation. *Behavioural Processes*, 193, 104531. <https://doi.org/10.1016/j.beproc.2021.104531>
- Leongómez, J. D.**, Sánchez, O. R., Vásquez-Amézquita, M., Valderrama, E., Castellanos-Chacón, A., Morales-Sánchez, L., ... González-Santoyo, I. (2020). Self-reported health is related to body height and waist circumference in rural indigenous and urbanised Latin-American populations. *Scientific Reports*, 10, 4391. <https://doi.org/10.1038/s41598-020-61289-4>
- Leongómez, J. D.**, Mileva, V. R., Little, A. C., & Roberts, S. C. (2017). Perceived differences in social status between speaker and listener affect the speaker's vocal characteristics. *PLOS One*, 12(6), e0179407. <https://doi.org/10.1371/journal.pone.0179407>
- Leongómez, J. D.**, Binter, J., Kubicová, L., Stolařová, P., Klápilová, K., Havlíček, J., & Roberts, S. C. (2014). Vocal modulation during courtship increases proceptivity even in naive listeners. *Evolution and Human Behavior*, 35(6), 489–496. <https://doi.org/10.1016/j.evolhumbehav.2014.06.008>

## Investigación Abierta (YouTube channel)



▶ **Investigación Abierta** [Open Research] is a YouTube channel (in Spanish) where I post videos and tutorials related to quantitative research methods and open science, as well as useful open source software.

## Shiny Apps



I have created a few, small public apps with **Shiny** in R, mostly for fun or to illustrate statistics concepts. For a list, please check [my website](#).

## Postgraduate Supervision

For a full list, including undergraduate supervision, please check [my website](#) or my [academic CV](#).

### Aris Yúpanqui Peña-Ríos

PHD IN PSYCHOLOGY

*Universidad de los Andes, Colombia*

Since 2025

### Milena Vásquez-Amézquita

PHD IN NEUROSCIENCE (*Summa Cum Laude*)

*Universitat de València, Spain*

2015 - 2018

### Francisco Javier Flores

PROFESSIONAL DOCTORATE IN COUNSELLING PSYCHOLOGY

*U. of East London, UK*

2015 - 2018

## Editorial Appointments

I am a **recommender** (editor) for **PCI Registered Reports**, a **Data Editor** for **Proceedings of the Royal Society B**, and acted as guest editor for a two-part theme issue on **Philosophical Transactions B (Part 1, Part 2)**. I regularly serve as an *ad-hoc* reviewer for journals such as **Royal Society Open Science**, **PLOS ONE**, **Evolution and Human Behavior**, **Scientific Reports**, **Basic and Applied Social Psychology**, **Cortex**, **Perception**, **Evolutionary Psychology**, and **Frontiers in Psychology**, where I served as **Review Editor** for the **Evolutionary Psychology specialty section** between 2018 and 2024. My verified record can be viewed on my **Web of Science** profile.