



# 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**), Faculty of Psychology, at Universidad El Bosque in Bogota, Colombia. I am also a founding and board member of the **Latin American Association for Human Behavioral and Evolutionary Sciences (LAAHBES)**. My research primarily focuses on human vocal communication, mate choice, and musicality, as well as bioacoustics, psychoacoustics, and hormonal effects on human behaviour. I have published some of the first articles demonstrating within-individual changes in voice pitch in response to the social status of the listener, as well as the significant effects of voice modulation on listeners in courtship contexts. Passionate about quantitative methods and R programming, I advocate for reproducibility and open science. In line with these values, I serve as a **recommender** (editor) for **Peer Community In Registered Reports**.



## Skills

<b>Programming</b>	R (advanced: all data wrangling, analysis, plots and tables —and even this CV— made in R)
<b>Reproducible Reports</b>	Markdown/R Markdown (including L <sup>A</sup> T <sub>E</sub> X and HTML <sup>5</sup> ). Version control: Git and GitHub
<b>Quantitative Research</b>	General and generalised models, linear mixed-effects models, multi-model inference, machine learning
<b>Software</b>	RStudio, Visual Studio Code, Praat, Audacity, InkScape, Zotero
<b>Languages</b>	English/Spanish (native)

## Education

<b>University of Stirling</b>	Stirling, UK
PHD - PSYCHOLOGY	2014
<b>University of Liverpool</b>	Liverpool, UK
MSc IN EVOLUTIONARY PSYCHOLOGY	2009
<b>Universidad Pedagógica Nacional</b>	Bogota, Colombia
BA IN MUSIC PEDAGOGY	2006

## Working and Teaching Experience

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

<b>Universidad El Bosque</b>	Bogota, Colombia
ASSOCIATE PROFESSOR	Jan. 2015 - Present

## Accomplishments

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

## Selected Publications

14 *h*-index    28 *g*-index    19 *i10*-index    42 Publications    840 Citations


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

- 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., Klapilová, K., Havlíček, J., & Roberts, S. C. (2014). Vocal modulation during courtship increases perceptivity even in naive listeners. *Evolution and Human Behavior*, 35(6), 489–496. <https://doi.org/10.1016/j.evolhumbehav.2014.06.008>

**Note:** Corresponding author in all the publications listed in this section.

## 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](#).

### 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 **Peer Community In Registered Reports** and recently 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 a number of journals, such as **Proceedings of the Royal Society B: Biological Sciences**, **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.