



# Juan David Leongómez

ASSOCIATE PROFESSOR

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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 (classification **A1**), Faculty of Psychology, at **Universidad El Bosque** in Bogota, Colombia. My research interests mostly lie in mate choice, human vocal communication, and musicality, as well as bioacoustics, psychoacoustics, and hormonal effects on human behaviour. I am very passionate about quantitative methods and **R** programming, as a tool to promote reproducibility and open science.



## Skills

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

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. *Philo-*

- 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 proceptivity 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 [PCI 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 am a [Review Editor](#) for the *Evolutionary Psychology specialty section*. My verified record can be viewed on my [Web of Science](#) profile.