**Santiago Lozano Sandino**

Statistician and Data Analyst

# Personal Information and Contact

Name: Santiago Lozano Sandino

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# Profile

I have an MSc in statistics and a bachelor's in economics. I have a solid quantitative background, deep knowledge about R Programming Language, which I've been using for over three years, and experience with other programming languages and applications such as Python, C, Stata and Visual Basic. Furthermore, I have experience in computational statistics, statistical analysis, Bayesian inference, exploratory data analysis, statistical modelling and data mining, among other fields. I'm an autonomous person, curious, proactive and self-taught, eager to learn and share my knowledge with others.

# Education

**Master of Science in Statistics (February, 2016 – January, 2018):**

*Pontificia Universidad Católica de Chile* (Santiago, Chile).

* Relevant courses: Bayesian Inference, Advanced Computational Statistics, Exploratory and Computational Methods for Statistics.
* Degree project: *Constrained Markov Chains: An Application for Melody Generation*.
* Other relevant works: *A Semiparametirc Poisson Autoregressive Model Applied to Vehicle Theft in Bogotá.*
* Assistant-lecturer of course Linear Models, under the supervision of professor Reinaldo Arellano.

**Bachelor's degree in Economics (August, 2008 – March, 2013):**

*Universidad de los Andes* (Bogotá, Colombia).

* Relevant courses: Applied Research Seminar, Econometrics, Probability and Statistics.
* Degree project: *Diffusion of Violence in Mexico: Spatial Analysis of Drug Related Violence*.

# Professional Experience

**Ministerio de Justicia y del Derecho, Colombia (October, 2014 – December, 2015):**

*Advisor.*

* Data analysis of crime related information.
* Promoting the use of statistics for decision-making within the organization.
* Instructor of a short introductory course about R Programming Language.

**Talent Partner Consulting, Colombia (April, 2014 – August, 2014):**

*Consultant.*

* Brief project about labor market and human management.
* Survey analysis and technical support writing the Visual Basic code necessary to perform such analysis.

**Econometría Consultores, Colombia (April, 2013 – December, 2013):**

*Consultant.*

* Several projects related to socio-economic and educational issues, which involved statistical analysis.
* Data analysis and modelling using Stata and Excel.

# Skills

Software: R, Python, Excel, SQL, Git, GitHub, C, LaTeX, HTML, CSS and Stata.

Languages: Spanish (native), English (advanced level), Portuguese (basic level).

# Webpages

Personal and Portfolio: [lozsandino.github.io](https://lozsandino.github.io)

LinkedIn: [www.linkedin.com/in/lozsandino/](http://www.linkedin.com/in/lozsandino/)

GitHub: [github.com/lozsandino](https://github.com/lozsandino)

# References

Reinaldo Arellano Valle (Professor – Pontificia Universidad Católica de Chile):

e-mail: [reivalle@mat.uc.cl](mailto:reivalle@mat.uc.cl)

Claudia Vela Díaz (Immediate Supervisor – Ministerio de Justicia y del Derecho):

e-mail: [claudia.vela@minjusticia.gov.co](mailto:claudia.vela@minjusticia.gov.co)

Beatriz Aristizabal (Manager – Talent Partner Consulting):

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