

# JORGE LÓPEZ PÉREZ

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## PROFILE

I graduated in Economics at Universidad of Las Palmas de Gran Canaria (Spain) (2015) and then I got a MSc in Statistics at Polytechnic University of Catalonia (2017). R enthusiast, I love working with data.

## EDUCATION

**MSc in Statistics and Operations Research** 2015 - 2017

Polytechnic University of Catalonia, Barcelona. GPA : 8.3/10

Master Thesis: Pedestrian anomaly detection based on video surveillance, supervised by Dr. Marc Ruíz

**Bachelor's Degree in Economics** 2011 - 2015

University of Las Palmas de Gran Canaria, Gran Canaria. GPA : 8/10

Thesis: Price sensitivity analysis in the wholesale market of Las Palmas, supervised by Dr. Alejandro Rodríguez

## WORK EXPERIENCE

**Data Scientist, Ryanair** May 2020 - Present  
*Madrid*

**Data Scientist, Boston Consulting Group (Gamma)** May 2019 - Mar 2020  
*Madrid*

- I joined Boston Consulting Group (BCG) as a result of the acquisition of Kernel Analytics by BCG.

**Data Scientist, Kernel Analytics** September 2017 - May 2019  
*Madrid*

- Customer value management: Build predictive models for churn, upsell and XSELL; comprehensively integrating them for value management of the customer portfolio with proactive marketing campaigns. Client: top telecom operator in Spain (postpaid+prepaid+FMC portfolios). Main tools and methodology: SQL, SAS and Python programming, logistic regression, XGboost
- Time series in company of the Logistics sector. Demand prediction through algorithms such as ARIMA, Prophet or Random Forest.

**Business Intelligence Consultant, everis** October 2016 - September 2017  
*Barcelona*

- Working on Health sector. ETL, reporting and modelling, mainly regression models for count data such as Poisson regression.

**Technical assistant, TIDES institute** September 2014 - December 2014  
*Gran Canaria*

- Technical assistant to PhD candidates.

## TECHNICAL SKILLS

**Machine learning and Statistics:** supervised and unsupervised models, hypothesis testing, statistical inference, multivariate analysis, time series, econometrics, propensity models, dimensionality reduction.

**Software and Programming Languages:** R (dplyr, ggplot2, Rmarkdown, caret, xgboost, tidyverse), Python (numpy, pandas, scikit-learn), SAS, SQL (SQL Server, PL/SQL, PostgreSQL), Impala, Azure, Git, Bash, Office, Linux and macOS.

**BI:** Microstrategy

## SOFTWARE

**Github profile:** <https://github.com/jlopezper>

## R PACKAGES:

- **opendataes** [[github.com/rOpenSpain/opendataes](https://github.com/rOpenSpain/opendataes)]: Interact with the API of [datos.gob.es](https://datos.gob.es) and extract data from Spain. *Role: author*
- **openlpgc** [[github.com/jlopezper/openlpgc](https://github.com/jlopezper/openlpgc)]: Interact with the API of [datosabiertos.laspalmasgc.es](https://datosabiertos.laspalmasgc.es) and extract data from Las Palmas de Gran Canaria city council *Role: author*
- **MicroDatosEs** [[github.com/rOpenSpain/MicroDatosEs](https://github.com/rOpenSpain/MicroDatosEs)]: Process microdata provided by Spanish statistical agencies (mostly, INE). *Role: contributor*
- **whitestrapp** [[github.com/jlopezper/whitestrapp](https://github.com/jlopezper/whitestrapp)]: Bootstrapped version of the White's test for testing homoscedasticity of the residuals in linear regression models. *Role: author*
- **Personal website** [[github.com/jlopezper/jlopezper.github.io](https://github.com/jlopezper/jlopezper.github.io)]: Personal website built in R. *Role: author*

## LANGUAGES

Spanish: Mother tongue

English: Upper Intermediate (written, read and listened fluently. A little less fluency speaking).

Catalan: I am able to read, understand and write.

## PRESENTATIONS

**“Extracting Spanish public data with ‘opendataes’”** - National Spanish R conference, November 2018  
[awarded best talk]

**“Extracting Spanish public data with ‘opendataes’”** - Grupo de usuarios de R de Madrid, October 2018

## PROJECTS

- Contributor to “Guía práctica para la publicación de datos tabulares en archivos CSV” published by [datos.gob.es](https://datos.gob.es).
- Data Science for Social Good Portugal collaborator – Evaluation of the social impact of Revista CAIS in Portugal.