

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. CGPA : 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. CGPA : 8/10

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

WORK EXPERIENCE

Data Scientist, Kernel Analytics September 2017 - Ongoing
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, Git, Bash, Office, Microstrategy, Linux and macOS.

SOFTWARE

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

R PACKAGES:

- **opendataes** [github.com/rOpenSpain/opendataes]: Interact with the API of datos.gob.es and extract data from Spain. *Role: author*

- **MicroDatosEs** [github.com/rOpenSpain/MicroDatosEs]: Process microdata provided by Spanish statistical agencies (mostly, INE). *Role: contributor*
- **Personal website** [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 AND PROJECTS

“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