

# Victor Vicente-Palacios

DATA SCIENTIST · MECHANICAL ENGINEER

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## Education

### University of Salamanca

PHD MULTIVARIATE STATISTICS

- Thesis dissertation: Multivariate Gaussian Subspatial Regression

Salamanca, Spain

Oct. 2014 - Sep. 2017

### University of Salamanca

M.S. IN MULTIVARIATE STATISTICS

- Final Master Project: Logistic Biplot analysis: An application to Smart Grid Enterprises

Salamanca, Spain

Mar. 2010 - Aug. 2017

### Polytechnic University of Hauts-de-France

ERASMUS FELLOWSHIP

- Renewable Energies Speciality

Valenciennes, France

Oct. 2009 - Jun. 2010

### Technical University of Madrid

M.S. IN MECHANICAL ENGINEERING

- Final Project: Installation of Thermal and Photovoltaic solar panels in Spanish Public Institutions

Madrid, Spain

Oct. 2003 - Oct. 2010

## Experience

### Philips Healthcare

CLINICAL DATA SCIENTIST

- Machine Learning & statistical models applied to the clinical practice and research.
- Filed Patent [USPTO Application Serial No: 62/798504]  
Aortic Stenosis Echocardiographic Follow-Up Expert System.

Salamanca & Madrid, Spain

Sep. 2017 - Now

### Sogeti

DATABASE ENGINEER

- Business Unit Energy & Utilities Public Services member.
- Database management, maintenance and analysis.
- Data mining projects.

Paris & Bordeaux, France

Dec. 2012 - Oct. 2014

### Iberdrola

SMART GRID MARKET RESEARCH ANALYST

- Competitive intelligence and technology forecasting.
- Statistical analysis.

Salamanca, Spain

Jul. 2011 - Jul. 2012

### Green Bureau (University of Salamanca)

RESEARCHER

- Carbon footprint methodology development for Spanish Public Institutions.

Salamanca, Spain

Feb. 2011 - Jul. 2011

## Skills

### Programming

Python: Advanced | R: Advanced | Matlab: Intermediate | Julia: Beginner

SQL: Intermediate | LaTeX: Intermediate | Bash: Intermediate

### Languages

English: Advanced | French: Advanced | German: Intermediate | Spanish: Native

## Scientific Publication

### Machine Learning To Predict Stent Restenosis Based On Daily Demographic, Clinical And Angiographic Characteristics

JESÚS SAMPEDRO-GÓMEZ, P. IGNACIO DORADO-DÍAZ, VÍCTOR VICENTE-PALACIOS, ANTONIO SÁNCHEZ-PUENTE, ET AL.

Canadian Journal of Cardiology

Jan. 2020

### Applications of Artificial Intelligence in Cardiology. The Future is Already Here

P. IGNACIO DORADO-DÍAZ, JESÚS SAMPEDRO-GÓMEZ, VÍCTOR VICENTE-PALACIOS, PEDRO L. SÁNCHEZ

Revista Española de Cardiología

Dec. 2019

## **SALMANTICOR study. Rationale and design of a population-based study to identify structural heart disease abnormalities: a spatial and machine learning analysis**

JOSE IGNACIO MELERO-ALEGRIA, MANUEL CASCON, ALFONSO ROMERO, PEDRO PABLO VARA, MANUEL BARREIRO-PEREZ, VICTOR VICENTE-PALACIOS, ET AL.

*BMJ Open*

Mar. 2019

## **Canonical Biplot as a tool to detect microclimates in the inner and outer parts of El Salvador Church in Seville, Spain**

A. C. IÑIGO, JACINTA GARCIA-TALEGON, VICTOR VICENTE-PALACIOS, SANTIAGO VICENTE-TAVERA

*Measurement*

Dec. 2018

## **Multivariate Gaussian Subspatial Regression (MGSr) applied to predict the effect of Phosphate Crystallization aging on the color in Silicious Conglomerates**

VICTOR VICENTE-PALACIOS, A. C. IÑIGO, JACINTA GARCIA-TALEGON

*Color Research & Application*

Jun. 2017

## **Achievements**

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- 2020 **Editorial**, The Rise of Open-sourced Machine Learning in Small and Imbalanced Datasets *CJC*
- 2019 **Winner**, Winner - Local Hackaton - Hackforgood *Salamanca, Spain*
- 2017 **Winner**, LUCA (Telefonica) Challenge - Hackforgood *Spain*
- 2017 **Fellowship**, Data Science for Social Good Europe *Lisboa, Portugal*

## **Extracurricular Activity**

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### **Datalab USAL**

FOUNDER MEMBER

- Open and multidisciplinary group focused on Data Science & Machine Learning.
- Participated on data competitions (DrivenData, Data Science Game among others).
- Winners of the local Hackaton (HackforGood 2019) and the national Datathon award (HackforGood 2017).

*Salamanca, Spain*

Mar. 2015 - PRESENT

### **PyData Salamanca**

ORGANIZER

- Local community for developers and users of open source data tools.
- We promote discussion of best practices, new approaches, and emerging technologies for data management, processing, analytics, and visualization.
- PyData communities approach data science using many languages, including (but not limited to) Python, Julia, and R.

*Salamanca, Spain*

Dec. 2018 - PRESENT

### **International Youth Services (IJGD)**

VOLUNTEER

- Voluntary social services.
- Rehabilitation of social buildings.

*Dresden, Germany*

Jul. 2006

## **Talks**

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### **Artificial Intelligence in Cardiology. An overview**

SEP. 2019

*eHealth Donosti*

*San Sebastian (Spain)*

### **Machine learning with imbalanced clinical data sets**

JAN. 2019

*PyData Salamanca*

*Salamanca (Spain)*

### **Machine Learning applied to Cardiology**

OCT. 2018

*PyCon Spain*

*Alicante (Spain)*

### **Obtaining knowledge from departmental databases**

SEP. 2018

*Technological Platform Meeting*

*Murcia (Spain)*