Pablo Villacorta Iglesias, PhD
SPARK-CERTIFIED DATA SCIENTIST

Born in Granada, Spain

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Check the URL above for my Google Scholar and LinkedIn profiles

SKILLS

Job skills

- ◆ Oral/written communication in English or Spanish
- ◆ Abstraction, problem solving
- ◆ Software engineering: good practices (testing, CICD)
- ◆ Autonomous work. Gather business requirements
- ◆ Relate approaches from different areas of knowledge
- ◆ Learning and adaptation
- ◆ English: advanced. Cambridge FCE, level B2 (obtained in 2002)

Programming languages

- ◆ DAILY USE: **R, Python, Scala**
  My R packages on CRAN: http://decsai.ugr.es/~pjvi/r-packages.html
- ◆ USED IN THE PAST: **C++, Java**
- ◆ FAMILIAR WITH: **Mathematica, Matlab, SQL**

Research & publications

For a summary of my publications and research activity please visit http://decsai.ugr.es/~pjvi/research.html

JOB EXPERIENCE

OCT 2021 – present — **DATA SCIENTIST | Seguros Santalucía**, Madrid, Spain
- MLOps in Azure Databricks. Project supervision of external providers
- Set up good devel.practices, MLOps templates & Scrum in a team of 4 DS

OCT 2015 – SEP 2021 — **DATA SCIENTIST | Stratio Big Data Inc.**, Madrid, Spain
- R / Scala / Spark following Scrum, cont. delivery, Docker, Git, Maven.
- Prediction of default in companies with Spark for a bank customer (Scala)
- Water consumption prediction of individual customers from scratch to production, for a water management customer (pyspark & Scala).
- Recommender System Framework for Stratio DataCentric with Spark (Scala).
- Massive demand prediction model for a market-leader retailer (pyspark).
- MLflow contributor: *statsmodels* flavor for MLflow 1.13.0, accepted Sept. 2020
- Device failure prediction & plotting to geographical maps (Python & pyspark)
- Search engine assessment & optimization for a Spanish retailer (pyspark)

JUN 2019 – present — **ADJUNCT PROFESSOR | Universidad Complutense de Madrid**
Master in Big Data & Data Science. Topic: Distributed Data Processing

MAR 2019 – present — **ADJUNCT PROFESSOR | Universidad Internacional de La Rioja (UNIR)**
Master in Analysis & Vis. of Massive Data. Topic: Massive Data Proc. Engineering.

OCT 2019 – MAR 2020 — **ADJUNCT PROFESSOR | IE Business School**, Madrid.
Master in Big Data & Business Analytics. Topic: Spark.

OCT 2017 – DEC 2017 — **PROFESSOR – DATA SCIENCE BOOTCAMP | IE Business School**, Madrid.

JUN 2010 – NOV 2011 — **RESEARCHER, DEVELOPER & PROFESSOR | University of Granada**, Spain
– Fuzzy logic-based multi-criteria decision making (MCDM) algorithms in Java.
– (2014) Teaching: Knowledge Engineering | C++ programming

EDUCATION

2011 – 2015 — **PHD. IN COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE | Univ. of Granada**, Spain.
Adversarial decision and optimization-based models (Cum Laude)

2010 – 2012 — **MSC. IN STATISTICS** (Honors) **| University of Granada**, Spain. *GPA 9.04 / 10*

2009 – 2010 — **MASTER: SOFT-COMPUTING & INTELLIGENT SYSTEMS | Univ. of Granada**, Spain
Fuzzy systems, MCDM, optimization, heuristics, data mining. GPA 9.15 / 10

2004 – 2009 — **MSC. IN COMPUTER ENGINEERING | Univ. of Granada**, Spain. *GPA 9.08 / 10*

1994 – 2009 — **BSC. IN PIANO PERFORMANCE | Victoria Eugenia Conservatory,** Granada, Spain

COMPLEMENTARY COURSES

- (2019-20) Coursera Deep Learning Specialization | 5 courses, Andrew Ng (in progress)
- (2017-18) Coursera Machine Learning Specialization | 4 courses, Univ. of Washington
- (2015-16) Coursera Big Data Specialization | 5 courses, UC San Diego
- (2013-14) Others: Data Analysis (8 weeks), Machine Learning (10 weeks)

CERTIFICATES & AWARDS

JAN 2021 — **PSM I & PSPO I (PROFESSIONAL SCRUM MASTER & PRODUCT OWNER) | Scrum.org**

JUN 2019 — **DOCTORAL EXTRAORDINARY AWARD | University of Granada, Spain**

OCT 2018 — **DATABRICKS CERTIFIED DEVELOPER - APACHE SPARK 2.X FOR SCALA**

MAR 2018 — **ACCREDITED FOR ASSISTANT PROFESSOR** (Prof. Contratado Doctor) | Spanish National Agency of Assessment, Quality and Accreditation (ANECA)

NOV 2015 — **2ND PLACE, NATIONAL UNIVERSITY AWARDS | Spanish Ministry of Education**

MAY 2004 — **FIRST CLASS AWARD | Virgen de Gracia High School**, Granada, Spain