

## PERSONAL INFORMATION



## Patricia Rodríguez Vaquero

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🌐 <https://github.com/PatriciaVaquero?tab=repositories>

💬 Skype live: pati.rvaquero\_1

Sex Female | Date of birth 26/12/1997 | Nationality Spanish

Graduated in Business Management (with the Area of Specialization in Data Analytics) and oriented to the Business Analytics area. With the desire to not stop learning and with the aim of focusing my professional future in the area of DDDM (Data-Driven Decision Making), the data analysis in charge of converting the data set into key information for innovation and decision making in a dynamic environment, as it is today for any company, marked by the need for an integral vision of the business in order to always keep up with the constant opportunities required by the era of Digital Transformation.

Especially interested in all the areas in charge of this transformation process BBDD → Information → Decisions: Data Science, Business Intelligence & Analytics, Machine Learning, Predictive Modelling, etc.

## PERSONAL STATEMENT

## EDUCATION AND TRAINING

Madrid, Spain  
January 2020 – At present

## Postgraduate Course in Big Data Analytics

UNIVERSIDAD CARLOS III DE MADRID

- Introduction to Big Data.
- Architecture, relational databases, and real cases.
- Temporal series.
- Supervised data learning.
- Support vector machines (SVM) and genetic algorithms.
- Regression techniques.
- Unsupervised data analysis techniques (Cluster Analysis, Association Rules, Association Rules Sequences, etc).
- R and Python.
- Spark Core + SparkSQL + Introduction to Spark MLlib.
- SparkStreaming.
- Deep Learning.
- Probabilistic and graphical models.

Madrid, Spain  
September 2015 – September 2019

## Bachelor's degree in Business Management

UNIVERSIDAD AUTONOMA DE MADRID

- Area of Specialization: Data Analytics.
- Data Mining.
- Business Forecasting Methods.
- Business Microeconometrics.
- Business Simulation Models.
- Data Analysis.

Laudatur in Theoretical Statistics.

Tampere, Finland  
January 2019 – June 2019

## Bachelor's Degree Programme in Business Studies (ERASMUS PROGRAM)

### TAMPERE UNIVERSITY

- Marketing Communications.
- Business, Society and Nature.
- Introduction to Risk Management and Insurance.
- Sustainable business practices.
- Business Ethics.
- Laudatur in Business, Society and Nature.

### WORK EXPERIENCE

April 2020 – At present

### Business Intelligence Analyst (Internship)

STRATEBI BUSINESS SOLUTIONS, S.L.  
Avda. de Brasil 17, 16º A-B, 28020 Madrid (Spain)

#### Technologies and Tools used:

- Business Intelligence (Pentaho, Talend, PowerBI, Vertica, Snowflake). Multidimensional modelling and methodology of BI projects (Agile, cascade).
- Big Data, Cloud: Azure, Hadoop, Cloudera, Amazon, Google, Kafka, Spark, Elastic, Apache Kylin, etc.
- Machine Learning (R, Python, SparkMlib). Algorithms in cloud, analytical functions of Databases, etc.

#### Participation in development tasks on:

- Creation of Demos, papers, benchmarks, etc.
- Creation of Prototypes and Pilots with real data.
- Improvement of the LinceBI.com platform.
- Support in real use cases. Many of them with large volumes and analysis capabilities.

Business or sector Information and communications.

### PERSONAL SKILLS

Mother tongue(s) Spanish.

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1
First Certificate. University of Cambridge.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills

- Good communication, teamwork, and leadership skills, especially in multicultural environments gained through my experience as Erasmus student. I have been a member of ESN FINT.

Organisational / managerial skills

- Adaptability. Lateral and critical thinking.
- Motivation for entrepreneurship and self-criticism.
- Innovation, design, and development from a self-taught profile.

## Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficiency user	Independent user	Independent user	Proficiency user

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

## Technical skills

• **Advanced level:**

- Microsoft Office 365
- IBM SPSS Statistics 24
- IBM SPSS Modeler 18.1
- Eviews

• **Intermediate level:**

- Python
- R
- SQL
- Machine Learning
- Deep Learning

• **Basic level:**

- MATLAB
- PowerBI
- Tableau
- Alteryx
- Pentaho
- Tensorflow
- PyTorch
- PySpark

## ADDITIONAL INFORMATION

Publications  
Presentations  
Projects  
Conferences  
Seminars  
Honours and awards  
Memberships  
References  
Citations  
Courses  
CERTIFICATIONS

- End-of-degree project (June 2019 – September 2019)

**Project description:** In my Bachelor's degree Final Thesis entitled: "Multivariate analysis of statistical data", I have tried to elucidate what variables and factors influence a person victim of gender violence so that they finally decided to file a complaint in the court, or failing that it did not. I have also analysed what it may depend on a victim of gender violence not to report for fear of reprisals or for thinking that she could solve it alone. **FINAL GRADE: 9/10**

- The use of mobile phones by UAM students (September 2018 – January 2019)

**Project description:** The students of the "Data Collection and Analysis" subject of the Faculty of Economics of the Universidad Autonoma of Madrid (2018/2019), held during the first four months a workshop consisting in determining the use of mobile phones by the students of the UAM, attending to aspects as diverse as the type of telephone, the most frequented social networks or the most demanded applications or utilities, all trying to infer the existence of differences in behaviours according to the faculty, sex or Your socio-economic level. This report gathers the multiple results obtained, among which we must highlight the d found by faculties in terms of networks or applications used and even as an aggregation factor that has been called "Obsession for networks", differs between the Faculty of Philosophy, greater degree, and that of Law with a lesser degree.

- Certificate of professionalism in Database Administration - Virensis (2020)
- The Business Intelligence Analyst Course – Udemy (2020)
- Tableau Course – 365 Data Science (2020)
- SQL Course – 365 Data Science (2020)
- Introduction to Relational Database and SQL Course – Udemy (2020)
- The Python Programmer Bootcamp – 365 Data Science (2020)
- Python for Data Science and Machine Learning Bootcamp – Udemy (2020)
- Excel Course - AFI School of Finance (2019)
- Google Analytics for Beginners - Google Analytics Academy (2019)
- Introduction Course to Data Analysis with Power BI - College of Economists of Madrid (2019)
- Course "Open Online Afi. Road to Modern Analytics. Introduction to Data Science in R" - AFI School of Finance (2019)
- Object-Oriented Applications Programming Course (JAVA) - Grouplance (2019)
- Course "Open Online Afi. Python" - AFI School of Finance (2019)
- Intermediate R Programming Course - Dataquest (2019)
- Course of Business Intelligence - Grupo Femxa (2019)
- Course of Time Series Analysis with STATA - University of Arkansas (2018)
- English B2 First Certificate - University of Cambridge (2017)
- Course of Basic Computing - Universidad Autonoma de Madrid (2015)

## SOCIAL NETWORKS

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- LinkedIn: Patricia Rodríguez Vaquero
- Twitter: @patri\_vaquero\_