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EXPERIENCE

GRUPO SOLUTIO, MADRID, SPAIN.
02/2022 - Today

EXTERNAL CONSULTANT IN BANCO SANTANDER
• Creating projects in R for advanced users.
• Technologies: R and SAS.

NETWORK CENTRIC SOFTWARE, S.A, MADRID, SPAIN.
03/2020 - 02/2022

EXTERNAL CONSULTANT IN AXA SEGUROS S.A.
• Acquisition of data from open sources, applying statistical techniques, geospatial techniques and supervised machine learning algorithms(clasification and regression) and not supervised (clustering), in order to solve business and technical problems with impact on the company's priorities.
• Work closely with the Data Engineers to design and implement the automation of processes and models in the production.
• Contribute to extend the data culture of the company.
• Technologies: R, Python, Scala, Spark and Azure.

AXA SEGUROS GENERALES S.A, MADRID, SPAIN.
09/2018 - 12/2019

INTERNSHIP.
• Acquisition of data from open sources, applying statistical techniques, geospatial techniques and machine learning algorithms, in order to solve business and technical problems with impact on the company's priorities.
• Work closely with the Data Engineers to design and implement the automation of processes and models in the production.
• Technologies: R and Python.

UNIVERSIDAD CARLOS III DE MADRID, SPAIN.
09/2017 - 09/2018

TEACHING ASSISTANT.
• Department of Statistics.
• Tutorial classes of R and Matlab.

NATIONAL OFFICE OF STATISTICS AND INFORMATION, HAVANA, CUBA.
09/2014 - 09/2016

STATISTICIAN.
• Development and creation of national surveys.
• Data cleaning, analytics, and visualization from the results obtained of these surveys.
• Technologies: R, SPSS and Visual FoxPro.

EDUCATION

UNIVERSIDAD CARLOS III DE MADRID, SPAIN.
2017-2019

MSc. IN MATHEMATICAL ENGINEERING.

ESCUELA DE EMPRESAS, MADRID, SPAIN.
2019

INTRODUCTION TO CYBERSECURITY.

UNIVERSIDAD CARLOS III DE MADRID, SPAIN.
2016-2018

MSc. IN BIG DATA AND ANALYTICS.

UNIVERSIDAD DE LA HABANA, CUBA.
2010-2014

BSc. IN MATHEMATICS.

SKILLS

PROGRAMMING LANGUAGES	***Experienced:*** Python | R ***Familiar:*** Scala | Matlab | Latex | HTML
SOFTWARE DEVELOPMENT	GIT
FRAMEWORKS & LIBRARIES	Jupyter | Caret | Numpy | Pandas | Scikit-learn | Keras
LANGUAGES	***Native:*** Spanish ***Middle:*** English

ACCOMPLISHMENTS

THIRD POSITION IN THE U-TAD DATA SCIENCE STUDENT CHALLENGE. *2017*
• First Microsoft datathon in Spain.
• Data analysis and pattern finding in a large, anonymized data base provided by the Santander Bank.

PROJECTS

NEAREST NEIGHBOR PROCEDURE WITH PARTIALLY OBSERVED DISTANCE MATRICES. *2019*

MASTER'S THESIS MATHEMATICAL ENGINEERING.
• Design a k-NN procedure when for reasons of response time, computational cost (e.g., in extremely large datasets) or destructive test it is not possible to calculate the distances between the new observations and all the observations in the training sample.

FORECASTING SPANISH ELECTRICITY PRICES. *2018*

MASTER'S THESIS BIG DATA AND ANALYTICS.
• Forecast the electricity prices in short, medium and long. It was developed a website that allows to visualize and download these predictions and their corresponding prediction intervals.

PUBLICATIONS

ECONOMETRIC ANALYSIS AND BIG DATA. *2021*

ANALYSIS OF INDICATORS ON HIV / AIDS INFECTION IN CUBA. *2015*