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EXPERIENCE

NETWORK CENTRIC SOFTWARE, S.A, MADRID, SPAIN.

03/2020 - Today

EXTERNAL CONSULTANT IN AXA SEGUROS S.A.

- 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.
- 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 - 12/2020

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

FUNCAS.

2019

ANALYSIS OF INDICATORS ON HIV / AIDS INFECTION IN CUBA.

2015