



# SERGIO SAMPAYO BRAVO

## DATA SCIENTIST

**Industrial engineer** interested in AI, data science and trending technologies is **seeking a job in IT as data scientist**. I currently develop **personal projects** and upload them to **Github**.

## CONTACT

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**Github** github.com/Sampayob

## SKILLS

### PROGRAMMING LANGUAGES

- Python (Pandas, Numpy...)
- R (ggplot2, dplyr, caTools...)
- Scala (RDDs, Dataframes...)
- SQL

### DB (SQL & NoSQL)

- MySQL, PostgreSQL...
- MongoDB

### FRAMEWORKS

- Spark (Pyspark, MLlib...)

### CLOUD COMPUTING

- AWS (s3, Sagemaker,...)

### MACHINE LEARNING

- **Supervised learning**  
(KNN,SVM,Random Forest, PCA, Feature selection...)
- **Unsupervised learning: Clustering**  
(K-means, Hierarchical, DBSCAN)

### DEEP LEARNING & NLP

- Keras
- Tensorflow
- PyTorch
- NLTK, spaCy

### VISUALIZATION

- Matplotlib, Seaborn, Bokeh, Plotly
- Tableau

### WEB SCRAPING

- BeautifulSoup
- Selenium

### WEB DEVELOPMENT

- HTML5
- CSS3
- Javascript

### ADDITIONAL SKILLS:

- Excel (Microsoft Excel Specialist)
- Git version control

## WORK EXPERIENCE

### DATA SCIENTIST

GitHub | Jan. 2020 - Currently | Personal projects

- **COVID-APP: web app about the global evolution of the COVID-19 in real time and cases prediction by country** with the use of **neural networks (LSTM)** applied to **time series forecasting**.
- **Boardgame generator: analysis and prediction** of relevant characteristics in **board games design**. Model applied in an interactive web app application.
- **Bank transaction data: extensive analysis, classification and clustering of encrypted credit card transaction data** from two types of customer.
- **Analysis and prediction of traffic accidents** in Madrid.
- **Timeseries Forecasting: ARIMA model** step by step

**Python (Pandas, Numpy, Scikit-learn)**, Selenium, **Machine Learning** (SVM, Tree methods, GridSearch, Feature selection...),**Deep Learning (Keras)**,NLP (NLTK, spaCy), **Seaborn, Matplotlib, Plotly**, Streamlit.

### MANUFACTURING ENGINEER

Iveco | Mar. 2019 - Jan. 2020

- Analysis of manufacturing reports
- **Data analysis**
- Technical studies

### ENERGY CONSULTANT

Endesa | Jul. 2018 - Dic. 2018

- Energy market **data analysis**
- Participation in the elaboration of proposals for clients (Large corporate clients)
- Review of energy contracts.

### VOLUNTEER

Workaway | Finland Aug. 2012, Scotland Aug. 2013, Ireland Aug.2016

- Helping families in gardening, repairs, etc.

## EDUCATION

### DATA SCIENCE BOOTCAMP

Neoland | Jan.2020 - Mar.2020 | 432h

### UNIVERSITY DEGREE IN INDUSTRIAL ENGINEERING

Rey Juan Carlos University | 2015 - 2019

### UNIVERSITY DEGREE IN ENVIRONMENTAL SCIENCE

Autonomous university of Madrid | 2010 - 2014

## LANGUAGES

### INGLÉS (C1)

- Cambridge Certificate in Advanced English (CAE)

## ADDITIONAL INFORMATION

- Driver license B