David **Montaner**

R · PYTHON · MACHINE LEARNING · STATISTICS

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"More than 15 years playing with data."

Experience

Senior Data Scientist
London - U.K.

BARCLAYS - ADVANCED DATA SOLUTIONS TEAM
2017 - present

- Supervising a team of 3. I implement machine learning pipelines for risk evaluation on millions of clients.
- Building up recommend systems and customer segmentation analysis, enhancing data business value for marketing.

Data Scientist
London - U.K.

GENOMICS ENGLAND LTD. - BIOINFORMATICS DEPARTMENT
2015 - 2017

- Modeling clinical and genomic data: 100K individuals, millions of variables (genetic variants).
- Data visualization, automatic report writing, data scraping from SQL, MongoDB, Spark, web services and web pages.

Chief Data Scientist
Valencia - Spain

GENOMETRA S.L.
2010 - 2015

- I co-founded the company and supervised a team of 4. We developed machine learning software for diagnosis.
- Developed several R & Python packages, web tools and distributed pipelines. Statistical consultancy.

Par Time Lecturer
Valencia - Spain

UNIVERSITY OF VALENCIA - MATHEMATICS AND COMPUTER SCIENCE DEPARTMENTS
2009 - 2015

- Teaching databases, R, Python and Bash programming, statistics and probability to undergrad and MSc students.

Head of the Biostatistics Unit
Valencia - Spain

PRINCIPE FELIPE RESEARCH CENTER (CIPF) - COMPUTATIONAL GENOMICS DEPARTMENT
2005 - 2010

- Written +50 scientific publications. Presented and organized +30 congresses and workshops. Supervised staff and students.

Epidemiologist
Bristol - U.K.

UNIVERSITY OF BRISTOL - SOCIAL MEDICINE SCHOOL
2002 - 2004

- Preprocessing and statistical analysis of large cohort studies. Survival analysis, class prediction and hypothesis testing.

Education

PhD in Bioinformatics and Functional Genomics
Valencia - Spain

UNIVERSITAT DE VALENCIA - BIOTECHNOLOGY
2009 - 2013

- Multidimensional Logistic Regression and other Machine Learning methods for the analysis complex biological data.

MSc in Probability & Statistics
Madrid - Spain

UNIVERSIDAD COMPLUTENSE DE MADRID - MATHEMATICS DEPARTMENT
2002 - 2004

- Missing data imputation. EM algorithms and other resampling techniques for incomplete data analysis.

MSc in Statistics with Applications in Medicine
Southampton - U.K.

UNIVERSITY OF SOUTHAMPTON - STATISTICS DEPARTMENT
2001 - 2002

- Experimental design, stratification, sample size calculation, demographic analysis, clinical trials, spatial analysis.

Degree in Mathematics
Madrid - Spain

UNIVERSIDAD COMPLUTENSE DE MADRID
1995 - 2001

- Statistics and Operations Research specialty.

Skills

Programming R (dplyr, ggplot2, shiny, caret), Python (numpy, scipy, pandas, sklearn, matplotlib, NLTK), Linux, Bash, Git, Jenkins, SQL, PostgreSQL, Teradata, MongoDB, HDFS, Spark, Impala, Hive.

Statistics Data processing. Data modeling. Machine learning. Clustering. Network analysis, Plots and data visualization.

Languages Spanish, English & French.