David **Montaner**

MORE THAN 20 YEARS PLAYING WITH DATA

St Albans - AL1 - U.K.

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Experience

Chief Data Scientist
London - U.K.

INSIGHT CAPITAL PARTNERS
2018 - present

- Machine Learning applied to Investment Portfolio Management and Financial Risk Analytics.
- Natural Language Processing of financial news. Sentiment Analysis of Stocks.
- Develop analytical software tailored to our clients requirements.

Senior Data Scientist
London - U.K.

BARCLAYS - ADVANCED DATA SOLUTIONS TEAM
2017 - 2018

- 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.

Founder and Head of Data Science
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	Python (numpy, pandas, sklearn, NLTK, spaCy, matplotlib, dash, flask), R (dplyr, ggplot2, shiny, caret), Linux, Bash, Git, SQL, PostgreSQL, Teradata, MongoDB, Elasticsearch, HDFS, Spark, Impala, Hive.
Statistics	Data processing. Data modeling. Machine learning. Clustering. Network analysis, Plots and data visualization.
Languages	Spanish, English & French.