David **Montaner**

MORE THAN 20 YEARS PLAYING WITH DATA

St Albans - AL1 - U.K.

0775 497 22 35 | ✉ david.montaner@gmail.com | 🏠 www.dmontaner.com | dmontaner | dmontaner | dmontaner

Experience

Chief Data Scientist
INSIG AI PLC

London - U.K.
2018 - present

- Organize the Data Analytics / Data Science team and coordinate with the Operations and Data Acquisition departments.
- Machine Learning applied to Investment Portfolio Management. Natural Language Processing of financial news.
- Statistical consultancy. Devise and supervise data analysis and research as service for our customers.
- Create automated Data Pipelines, from data ETL and summarization to final report generation.

Senior Data Scientist
BARCLAYS - ADVANCED DATA SOLUTIONS TEAM

London - U.K.
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
GENOMICS ENGLAND LTD. - BIOINFORMATICS DEPARTMENT

London - U.K.
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
GENOMETRA S.L.

Valencia - Spain
2010 - 2015

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

Part Time Lecturer
UNIVERSITY OF VALENCIA - MATHEMATICS AND COMPUTER SCIENCE DEPARTMENTS

Valencia - Spain
2009 - 2015

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

Head of the Biostatistics Unit
PRINCIPE FELIPE RESEARCH CENTER (CIPF) - COMPUTATIONAL GENOMICS DEPARTMENT

Valencia - Spain
2005 - 2010

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

Epidemiologist
UNIVERSITY OF BRISTOL - SOCIAL MEDICINE SCHOOL

Bristol - U.K.
2002 - 2004

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

Education

PhD in Bioinformatics and Functional Genomics
UNIVERSITAT DE VALENCIA - BIOTECHNOLOGY

Valencia - Spain
2009 - 2013

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

MSc in Statistics with Applications in Medicine
UNIVERSITY OF SOUTHAMPTON - STATISTICS DEPARTMENT

Southampton - U.K.
2001 - 2002

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

Degree in Mathematics
UNIVERSIDAD COMPLUTENSE DE MADRID

Madrid - Spain
1995 - 2001

- Statistics and Operations Research specialty.

Skills

Software	Python, R, Bash, Linux, Git, GitHub, Docker, Jupyter Notebook, Emacs-Lisp, Haskell, latex, regular expressions,
Data	SQL (PostgreSQL, Teradata), NoSQL(MongoDB, DynamoDB, Elasticsearch), HDFS, Spark, Impala, Celery, Airflow,
Stats & ML	Numpy, Pandas, SciPy, SciKit Learn, Pytorch,
Visuals	Matplotlib, Seaborn, Plotly, Pyvis, Cytoscape, R ggplot2,
NLP	NLTL, Spacy, Transformers-HuggingFace,
Cloud	AWS (S3, Lambda, API Gateway, RDS, DynamoDB, CloudWatch), boto3, Mongo Atlas,
Web	Plotly Dash, Flask, Flask-RESTX, FastAPI, Swagger, R Shiny, Gunicorn, NGINX, Beautiful Soup,