

James Adams

I'm a driven and detail-oriented data professional, with a background in operations and management. With skills and experience in data driven insights, coaching, therapy, biomechanics, and statistical analysis, I'm always looking to challenge myself while putting my skills to good use.

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 <https://www.linkedin.com/in/jmablog>  <https://github.com/jmablog>

Experience

Programme Insights Lead, Data Fellowship

July 2024 - Present

Multiverse

- Leading on the effective monitoring, reporting, and problem solving for the effective delivery of the largest data programme at Multiverse
- Responsible for liaising with cross-functional departments to find and manage programme health trends and deliver interventions when programme-wide issues are identified
- Responsible for the technical expertise of all coaches within the Data Fellowship programme: assessing and delivering training needs, including bespoke training required for customised non-standard elements of programme delivery to larger clients

Enterprise Technical Lead

Nov 2023 - July 2024

Multiverse

- Working on the largest Enterprise account at Multiverse to strategise and build bespoke operational and programme customisations to deliver on the needs of the client, and ensuring these are effectively developed and rolled out to internal stakeholders
- Responsible for liaising with cross-functional departments to manage changes across the business and their interaction with client expectations and needs
- Responsible for the assessment and delivery of additional technical skills needed to work as an Enterprise coach to the coaching team

Data Fellowship Coach

Sept 2022 - Nov 2023

Multiverse

- Teaching, coaching and mentoring apprentices through the Multiverse Data Fellowship programme, supporting them to successful completion of the apprenticeship programme and into their future careers
- Covered learning to code with Python, process data with SQL and BI tools, and communicating data projects and results with stakeholders
- 92% first time pass rate, with all passing apprentices achieving either a merit or distinction

Education

MRes Sport & Exercise Science (Distinction)

London Metropolitan University

Oct 2020 - Oct 2021

- Natural Language Processing in R to determine sentimentality in qualitative interview data

BSc Sports Therapy (First Class Hons.)

London Metropolitan University

Feb 2017 - June 2020

- Force platform data analysis with repeated-measures multi-factorial ANOVA in R
- Received Best Performance and Highest Degree Mark in Subject Group Award

Projects

Predicting Ultra Marathon Times

<https://github.com/jmablog/ultra-marathons-analysis>

- Final project for General Assembly's data science course
- Predicting ultra marathon finishing times using Pandas, scikit-learn, and Seaborn

tinieR: R package

<https://jmablog.github.io/tinieR>

- An R package to shrink image filesizes using the TinyPNG.com API
- Self-taught R language package development, providing learning on R package internals, unit testing, and continuous integration techniques

SquatCam

<https://squatcam.vercel.app>

- Real-time joint position feedback for squatting using PoseNet machine-learning algorithm in ml5.js
- Languages used: Javascript, HTML, CSS

Writing

Journals

Common Parkour Vault Techniques, Landing Styles, and Their Effects on Landing Forces

2021

Journal of Sports Sciences, doi: 10.1080/02640414.2021.1978748

- Abstract published in special edition of the Journal of Sports Sciences following poster presentation at BASES Conference 2021
- Full paper and dataset also published online for the parkour community
- Winner of the **Human Kinetics Poster Presentation Award** at BASES 2021 Conference

Self-published	Using the Expertise of Parkour Coaches to Understand Parkour Movement: The Kong Vault <i>doi: 10.13140/RG.2.2.33633.02402</i>	2021
	<ul style="list-style-type: none"> Qualitative study using the empirical knowledge of experienced parkour coaches to construct a deterministic model of a parkour movement Full paper and dataset published online for the parkour community 	
	Pandoc Filters in Bookdown <i>jmablog.com/post/pandoc-filters/</i>	2021
	<ul style="list-style-type: none"> Tutorial post written for the R community explaining the use of Pandoc's Lua filters feature to manipulate the abstract syntax tree for post-processing of Rmarkdown documents 	
	Learning Statistics with Jamovi <i>https://jmablog.github.io/jamovi-worksheets/</i>	2022
	<ul style="list-style-type: none"> Worksheets written to aid in learning statistics with Jamovi at undergraduate and Masters level, made available online and listed on the Jamovi community resources page 	

Skills

Data science

- Understanding of developing and tuning machine learning models for regression, classification, and clustering problems
- Detailed understanding of qualitative and quantitative research methodology
- Deep appreciation for statistical thinking and the importance of evidence-backed decision making
- Enthusiasm for effective, reproducible research, conveyed through concise narratives and compelling, beautiful visualisations

Technical

- Extensive experience in building data products in Metabase and Coda.io
- Coding languages:
 - R (*proficient, including Tidyverse and base R approaches, and package development*)
 - Python (*including Pandas, scikit-learn, Seaborn, statsmodels*)
 - SQL
 - Web (*HTML, CSS, JavaScript, d3.js*)
- Tableau and Power BI experience for dashboarding / visualisations
- git for collaborative codebase management

References available on request