

EARL 2024



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EARL 2024 AGENDA

Tuesday 3rd September

08:30 to 09:00 ARRIVAL - TEA, COFFEE AND NETWORKING

09:00 to 12:30 - MORNING WORKSHOPS

Workshop One

Andrie de Vries

Director of Product Strategy
[Posit](#)

An Introduction to Shiny for Python

Andrie will provide an introduction to coding a web application using Shiny for Python, with the new Shiny Express framework.

This session will appeal to both Python users new to Shiny, and R users who are familiar with Shiny but want to apply their knowledge using Python.



Workshop Two

Jaymin Mistry

Senior Data Scientist
[Faculty.ai](#)

Building Data Pipelines in Python

Jaymin will provide a brief history of open source data pipelining tools and common pitfalls, before helping you build a data pipeline with validation that will last.

This session will appeal to anyone who handles data and has either been burnt (80% of people) or wishes to avoid being burnt (you in the future!) with ETL and data quality issues in a data science workflow.



13:30 to 17:00 - AFTERNOON WORKSHOPS

Workshop One

Steph Locke

Technology Leader
[Microsoft](#)

Azure for the R person:

Join us for an immersive, hands-on workshop designed specifically for R enthusiasts looking to leverage the power of Microsoft Azure. This workshop will guide you through the essential tools and services Azure offers to enhance your R-based projects. Whether you're developing machine learning APIs, leveraging models as a service, or hosting applications, this workshop has you covered.



Workshop Two

Dan Gibson

Founder
[Personify AI](#)

An Introduction to RAG in Python

Dan will introduce you to Retrieval Augmented Generation (RAG) and take you through a guided exercise to build a simple RAG powered chatbot. This session is designed to be suitable for participants with basic Python skills, but also be a good overview for those who consider themselves capable Python developers, but haven't tried out RAG.



17:00 - END OF THE DAY

All details correct at the time of print, however, sometimes speakers and / or timings may have to change due to circumstances outside of our control.

Wednesday 4th September

08:30 to 09:00 ARRIVAL - TEA, COFFEE AND NETWORKING

09:00 to 10:30 - SESSION ONE - Keynote Talks

Jeremy Horne, Founder, [Datacove](#) and **Steve Rackley**, Founder, [Silicon Brighton](#)
Welcome and Conference Opening Remarks

Andy Field, Statistician Professor and Author, [University of Sussex](#)
Keynote

Christel Swift, Senior Principal Data Scientist, [BBC](#)
Keynote

10:30 to 11:00 BREAK - TEA, COFFEE AND NETWORKING

11:00 to 12:30 - SESSION TWO

Stream One

Data Science within the Business Ecosystem

Xinye Li

Head of Data Science and BI

[Ascent](#)

R Centric End-to-End Solutioning



Andrie de Vries

Director of Product Strategy

[Posit](#)

Lessons Learnt from Project Management, Applied to Data Science



Romain Francios

Data Scientist

[Tada Data Company](#)

From Tidy to Tada



Stream Two

R for Good

Kirsten McMillan and Chris Newton

Data Manager and Data Officer

[Dogs Trust](#)

Estimation of the Size, Density, and Demographic Distribution of the UK Pet Dog Population



Nick Howlett

Senior Data Scientist

[NHS](#)

Improving Acute Hospital Flow Through Real-Time Stochastic Modelling of Daily Discharge Requirements for Onward Care



Matt Thomas

Head of Strategic Insight & Foresight

[British Red Cross](#)

Where Data Meets Disaster: A Journey Through the British Red Cross' 'Humaniverse'



12:30 to 13:30 - LUNCH

13:30 to 15:00 - SESSION THREE

Stream One

Integrating R and Py

Charlotte Osborne

Director

[Prolific10](#)

How R Can Work to Support PPC Efforts



Andrew Collier

Lead Data Scientist

[Fathom Data](#)

Building Effective Docker Images



Adam Gajtkowski

Data Scientist

[Booking.com](#)

Improving Insights by Utilizing Causal Inference Methods



Stream Two

Data Science for the World Today

Anastasiia Kostiv

Data Scientist

[Barefootocean](#)

Unleashing the Power of Integration: Enhancing Shiny Apps with React Native/Ionic Mobile App



Zac Nash

Senior Data Engineer

[Fresh Egg](#)

Unlocking the Secrets of Fish Behaviour with Python



Sarah McDonald and Mel Weedon

Data Officer and Research Officer

[Dogs Trust](#)

Analysis of Dog Demographics: Insights into Patterns of Licensed Dog Breeding and 'Return to Kennel' Probabilities in the UK



15:00 to 15:30 - BREAK

15:30 to 17:00 - SESSION FOUR

Stream One

Environmental R

Adriana De Palma

Principal Researcher

[Natural History Museum](#)

Using R to Protect the Future of Biodiversity



Jonathan Taylor

CEO

[Panlogic](#)

Explore: The Shiny App for Public Sector Decision Making



Sean Burton

Founder

[Azura Earth](#)

Using R with Geospatial Data



Stream Two

R and Py for Life

Deepansh Khurana

R/Shiny Developer

[Appsilion](#)

How I Built an API for My Life (and How You Can Too)



Gala Camacho

Data Scientist and Co-Founder

[Diagonal Works](#)

Finding My Favourite Bench – Urban Analysis with b6



Chris Holmes

Head of Data and Analytics

[FullFibre](#)

Weaving Tomorrow's Networks: The Art and Science of Automated Fibre Optic Network Design



17:00 - DAY ONE CLOSURE, EVENING RECEPTION AT 1360

Thursday 5th September

08:30 to 09:00 ARRIVAL - TEA, COFFEE AND NETWORKING

09:00 to 10:30 - SESSION ONE - Keynote and Lightning Talks

Abbie Brookes, Senior Analyst and AI Consultant, [Datacove](#)
Welcome and Day Two Opening Remarks

Hadley Wickham, Chief Scientist, [Posit](#)
Keynote

YiWen Hon, Data Scientist and **Tom Jemmett** Senior Data Scientist, [NHS](#)
Using R and Python to Model Future Hospital Activity: The New Hospitals Programme Demand and Capacity Model



Neide Simões-Capela, Clinical Data Scientist, [HCA Healthcare](#)
Finding Opportunities to Improve the Working Life of Clinical Staff Using R



Hansel Palencia, Data Scientist, [DaVita International](#)
Implementing Machine Learning Models in Clinical Practice: A Practical Example



10:30 to 11:00 BREAK - TEA, COFFEE AND NETWORKING

11:00 to 12:30 - SESSION TWO

Stream One
R and Py in OpenAI

Stream Two
Statistical Modelling in R

Amit Kohli
Head of Data Insights
[Access Social Care](#)
Data is Useless



Hannah Frick
Software Engineer
[Posit](#)
Tidymodels for Time-to-Event Data!



Dayo Oguntoyinbo
Senior Data Scientist
[Amazon AWS](#)
Leveraging Amazon Bedrock for your Enterprise Generative AI Solutions



David Lucy
Managing Director
[December19](#)
Using R to Measure the Value of Our Marketing Investments



Tom Wagstaff
Principal Data Scientist
[Oxford Policy Management](#)
Whisper It! Taking Advantage of OpenAI's Open Source Transcription Model



Timothy Wong
Senior Data Scientist
[Vodafone](#)
Using Linear Programming for Route Planning and Job Scheduling



12:30 to 13:30 - LUNCH

13:30 to 15:00 - SESSION THREE

Stream One
R and Py in the Community

Stream Two
Data Science in Healthcare

Elizabeth Brown
Data Scientist
[Branding Science Group](#)
Shiny for Python: A Call to the Community



Ella Thompson and Stefania Deligia
Analyst and Lead Data Engineer
[Edge Health](#)
R for Strategic Forecasting in Healthcare



Quazi Nafiul Islam
Developer Advocate
[Sonar](#)
From Eggs to Poetry: The Evolutionary Saga of Python Packaging



Alex Glaser
Data Science Contractor
[UK Health Security Agency](#)
Data Science During COVID Times



Stephen Wilkins
Professor
[University of Sussex](#)
Solving the Mysteries of the Universe with the Help of Python



Ellis Hughes
Data Science Leader
[GSK](#)
Driving Innovation and Collaboration



15:00 to 15:30 - BREAK

15:30 to 17:00 - SESSION FOUR - Lightning Talks and Keynote

Amieroh Abrahams, Data Scientist, [Jumping Rivers](#)
Revolutionising Water Management: Exploring Advanced Sensor Analyses for Enhanced Precision and Efficiency



Megan Bourne, Data Scientist, [Levy](#)
A Recipe for Success: Using R to Cook Up Catering Sales Forecasts



Abbie Brookes, Senior Analyst & AI Consultant, [Datacove](#)
Reviving User's Passion for the R Community Post-COVID



Steph Locke, Technology Specialist Manager, [Microsoft](#)
Keynote: *Why [*]Ops Is THE Skill to Have on Your CV*

Jeremy Horne, Founder, [Datacove](#)
Conference Closing Remarks

17:00 - CONFERENCE CLOSES