



Professionalising Data Science Roles Workshop: 02 October 2023

Short link to this agenda: <https://bit.ly/2023-ttw-pdsr-workshop>.

Workshop aims

- Map skill areas for specialist research roles starting from the existing standards developed by the Alliance for Data Science Professionals.
- Discuss career pathways and future skills needs for these roles.

Code of conduct

- Please read and apply The Turing Way [code of conduct](#) at this event.
- **Email:** turingway-coc@turing.ac.uk (reaches Kirstie and Malvika), ombudsperson: Anna Krystall (annakrystalli@googlemail.com). CoC facilitators for this workshop: Alexandra (garaujo.alvarez@turing.ac.uk), Emma (ekaroune@turing.ac.uk).

Where?

- **In Person:** The Alan Turing Institute, 96 Euston Road, London NW1 2DB, London, UK
- **Online - Enigma Room zoom**
 - <https://turing-uk.zoom.us/j/95516412773?pwd=MkJHUHRJQnB4S1RBa2p6U050b1VPQT09>
 - Meeting ID: 955 1641 2773, Passcode: 969652

Resources

- Pre-workshop materials:
 - [Pre-workshop survey](#) ← please respond to this by 28 September
 - [Pre-workshop Handout](#)
- Workshop materials:
 - *CC-BY 4.0 Slidedeck for the workshop* ← link will be added for reuse
 - Shared document for note taking ← Link to be added (please don't share outside the workshop)
 - [Miro board for online attendees](#)



Communication

- Slack channel for the meeting: **#prof-data-sci-roles-workshop** in The Turing Way Community workspace. Join the Slack workspace using [this link](#).
- Twitter/Mastodon: Tag @turingway. Feel free to share your thoughts about the meeting! Conversations and discussions within groups are under [Chatham House Rule](#); seek permission before publicly sharing resources or a quote with attribution.

Hosts and support staff

- Dr. Emma Karoune: ekaroune@turing.ac.uk (M: 07846095672)
- Dr. Malvika Sharan: msharan@turing.ac.uk (online facilitation)
- Alexandra Araujo Alvarez: aaraujo.alvarez@turing.ac.uk (M: 07863456016)

How to get to the Alan Turing Institute

- The Alan Turing Institute is located on the first floor of the British Library. Find map and travel details: <https://www.turing.ac.uk/contact-us/how-get-alan-turing-institute>
- Please report to the reception on the 1st floor to sign in.
- Room details for in-person participants:
 - Earliest entry to the British Library is 9.30am, then make your way to the Turing Reception on the first floor where you can register on arrival.
 - 9.50am - you will be escorted to the Enigma room, where our workshop will take place.

Covid advice

- If you have symptoms related to covid, please take a test before attending the event.
- Remember you can join online, if needed.
- There will be masks available on site.

Agenda

Monday 2 October		
Time (BST)	Session	Location
09:30 - 09:55	Register + coffee + pastries	The Alan Turing Institute, Reception, 1st Floor
Part 1: Scene setting of data science skills landscape		
10:00 - 10:30	Welcome & housekeeping - Emma Karoune <ul style="list-style-type: none">• Data Science Professional standards introduction - Rachel Hilliam (10 mins)	Zoom and Enigma (first floor)



	<ul style="list-style-type: none"> • Introduction to research infrastructure roles, skills themes and breakout activity - Emma Karoune (20 mins) 	
10:30 - 11:30	Breakout Discussion 1 - Skill mapping <ul style="list-style-type: none"> • Discuss and identify core skill areas for specialist roles in your teams <ul style="list-style-type: none"> ○ What areas of the standards need further defining for specialist roles in your organisation? ○ Are any skill areas missing? 	Zoom - use Miro board Breakout rooms - Cipher, Florence Nightingale, Jack Good, Ursula Franklin, Ada.
11:30 - 12:30	Breakout Discussion 1 - report out <ul style="list-style-type: none"> • Share-out from each breakout group - 5 mins each • Discussion • Groupings for afternoon breakouts 	Zoom and Enigma (first floor)
12:30 - 13:30	Lunch	Reception (first floor)
Part 2: Data science skills for the future		
13:30 - 14:30	Breakout Discussion 2 <ul style="list-style-type: none"> • Defining skill areas for specialist roles in more detail • Career pathways in different sectors <ul style="list-style-type: none"> ○ Other than through the use of the Alliance's standards, how can we improve the ability to move between sectors in data science? • Future skill needs <ul style="list-style-type: none"> ○ What other job opportunities do you think will occur in the future? ○ Where do we want to upskill your engineers/students 	Zoom - use Miro board Breakout rooms - Cipher, Florence Nightingale, Jack Good, Ursula Franklin, Ada.
14:30 - 15:30	Breakout Discussion 2 - report out <ul style="list-style-type: none"> • Share-out from each breakout group - 5 mins each • Discussion 	Zoom and Enigma (First floor)
15:30 - 16:00	Summary and close	Zoom and Enigma (First floor)

(*) There will be short breaks throughout the day, in between break out sessions



Contributions and attributions to this project

The discussions and notes from this workshop will be made into a workshop summary and then also used in the final output of this project, which is a policy briefing note.

Please see our authorship guidelines for information about how your contributions will be attributed in this project's outputs.

- [Link to authorship and contribution guidelines](#)

Attendee list

Participants with an asterisk (*) are attending virtually

Name	Organisation	Job role
Alden Conner	The Alan Turing Institute	Senior Researcher - Research Applications
Alexandra Araujo Alvarez	The Alan Turing Institute	Research Project manager, The Turing Way
Amy Strange*	Francis Crick Institute	Head of Software Engineering & AI
Ann-Marie Mallon	The Alan Turing Institute	Data Wrangling Lead
Anna-Maria Sichani*	University of London	Research Associate in Digital Humanities
Cassandra Gould Van Praag*	The Alan Turing Institute	Senior Research Community Manager, TRIC-DT
Cath Sleeman	NESTA	Head of Data Science
Dave Horsfall	Newcastle University	Senior Research Software Engineer
Eirini Zormpa	The Alan Turing Institute	Research Community Manager - AIM RSF
Emma Karoune	The Alan Turing Institute	Senior Research Community Manager - Health, and Project Lead of Professionalising data science roles project.
Gabin Kayumbi	The Alan Turing Institute	Senior Research Community Manager, Data Centric Engineering
James Byrne	British Antarctic Survey	Research Software Engineer



James Robinson*	The Alan Turing Institute	Senior Research Software Engineer
Javier Pardo-Diaz	BBSRC (UKRI)	Senior Programme/Policy Manager
Jen Parker Wooding	Chartered Institute of Archaeologists	Senior Professional Standards & Practice Coordinator
Kate Winkworth*	Office of National Statistics (ONS)	Head of Advanced Collaborative Programmes (Data Science Campus)
Katherine Denyer	Francis Crick Institute	Alumni Engagement Manager
Kirstie Whitaker	The Alan Turing Institute	Programme Director of Tools, Practices and Systems
Krzysztof Poterlowicz	ELIXIR-UK/Uni of Bradford	Professor of Bioinformatics and Biomedical Data Science
Liv Livesey	Office for AI - DSIT	AI Skills Policy Advisor
Lucy Stephenson	British Antarctic Survey (BAS)	Scientific Data Assistant
Malvika Sharan*	The Alan Turing Institute	Senior Researcher, Tools, Practices and Systems
Mark Turner	Newcastle University	Head of Research Software Engineering
Martin O'Reilly	The Alan Turing Institute	Director of Research Engineering
Matthew Edwards	Newcastle University	Senior Data Scientist at National Innovation Centre for Data
Matthew Forshaw	Newcastle University, The Alan Turing Institute	Reader in Data Science at Newcastle University and Senior Advisor for Skills to The Alan Turing Institute
Munazah Andrabi*	University of Manchester, ELIXIR-UK	Data & Community Manager
Neil Stansfield	National Physical Laboratory	Head of Digital Sector
Nicky Garland	Archaeology Data Service, University of York	Training and Communications Manager
Rachel Hilliam	The Open University/RSS	Professor of Statistics
Raphael Sonabend	Genomics England	Open Source Manager



Richard Brown	BBSRC	Senior Portfolio Manager
Richie Ramsden	Newcastle University	Technical Director of National Innovation Centre for Data
Robert Andrews	ELIXIR-UK/Cardiff University	Senior Lecturer
Rosalind Azouzi	Institute of Mathematics and its Applications	Executive Director
Roshni Modhvadia	Ada Lovelace Institute	Researcher
Rupert Chaplin	NHS England	Head of Data Science
Shaun Law	Roche	Data and Analytics Section Lead
Simon Hetterick	Software Sustainability Institute/ University of Southampton	Deputy Director, SSI. Director, Southampton Research Software Group. Professor, University of Southampton
Susan Hamilton	Historic Environment Scotland	Deputy Head Heritage Information and Business Service
Thomas Byrne*	National Physical Laboratory	Operations Manager
Tingting Shu*	Department for Education	Acting Head of Analysis and Modelling
Tom Wilgoss	Roche	UK Site Head for Data Sciences

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