DR SHELLY LACHISH

Motivated, successful data scientist with 15 years' experience in both industry and academia. Expertise in the analysis, interpretation and presentation of large, complex data. Effective and collaborative communicator. Proficient in technical writing with strong project management skills. Curious, competent, and creative.

💻 CAREER SUMMARY

current | 2023

Health Data Scientist/Advanced Epidemiologist
Public Health Intelligence Branch 📍 Queensland Health

- Develop and maintain data and analytical pipelines, reporting tools, dashboards, and visualisations underpinning the Chief Health Officers Report.
- Conduct research and analyses to inform strategic policy and planning.

2023 | 2023

Data Scientist
Environment Division 📍 CSIRO

- Develop species distribution modelling data pipelines.

2022 | 2019

Data Analyst
UK Biobank 📍 Oxford Big Data Institute

- Developed analytical pipelines to query databases, automate reporting, and create dashboards/visualisations.
- Built ETL data pipelines to import electronic health records into the UKBiobank databases.
- Provided statistical and analytical expertise to optimise researchers use of the biobank data resources.

2019 | 2017

Daphne Jackson Postdoctoral Research Fellow
Department of Zoology 📍 University of Oxford

- Applied novel, cutting-edge stochastic simulation modelling and statistical methods to conducted original research on topics in ecology, climate and infectious disease.
- Supervised PhD students to fulfill their doctoral studies.

2017 | 2015

Research Analyst
Medical Careers Research Group 📍 University of Oxford

- Published research papers and government reports with UK Medical Careers Survey data.
- Applied quantitative and qualitative statistics to reveal health workforce insights.

CONTACT

- ✉ shellstar@gmail.com
- 📞 (+61) 0434304702
- Github
- in LinkedIn
- 🌐 shellyl.me

View this CV online here

SKILLS

- ETL / Data wrangling
- Statistical analysis
- Modelling
- Reporting / Dashboards
- Data visualisation
- Data communication
- Scientific research

TECH STACK

- R
- Plotly / Shiny
- Git / SCM
- SQL
- Bash
- Python
- Azure / Databricks
- HTML/CSS

RESEARCH

Please see my Google Scholar page for a full list of my research papers.

2012
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2010

NERC Postdoctoral Research Fellow
Department of Zoology
📍 University of Oxford

· Conducted, published and presented research in ecology, population dynamics, disease.
· Analysed, interpreted complex data using leading statistical and modelling methods.

2010
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2017

Science Writer and Editor
Freelance
📍 Oxford, UK

· Writing/editing for: Oxford Science Blog, Living Spain Magazine, 72&Rising, Sabotage Times, Oxford Science Editing

🎓 EDUCATION

2010
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2005

Doctor of Philosophy (PhD). Infectious Disease Ecology.
School of Biological Sciences
📍 University of Queensland

1999
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1995

BSc Ecology (wtih 1st class Hons)
Department of Zoology and Entomology
📍 University of Queensland

🏅 GRANTS AND AWARDS

Daphne Jackson Postdoctoral Fellowship (£82,000); NERC Urgency Grant (£60,000); Ian Potter Research Grant ($130,000), Wildlife Disease Association Student Award ($5,000)

💬 INVITED SEMINARS

Centre National de la Recherche Scientifique (France, 2018); Big Data Institute (UK, 2018); University of Queensland (Aust, 2011); Zoological Society of London (UK, 2011)

🖥 TEACHING EXPERIENCE

Programming in R with the Tidyverse (Big Data Institute, 2022); Introduction to Text Mining in R (Big Data Institute, 2021); St Hilda's College Biology Tutor (2018 – 2019); University of Oxford DPhil Supervisor (2010 – 2012); UQ University Tutor (2007 – 2009)

👥 PROFESSIONAL SERVICE

BDI Coding Committee (2019 – 2022); Oxford Early Career Researcher Network (2017 – 2019); British Ecological Society member (2011 – 2020)