DR SHELLY LACHISH

Motivated, successful data scientist with experience in both industry and the academic sector. Expertise in the management, analysis, interpretation and presentation of large, complex data. Effective and collaborative communicator. Highly proficient in technical writing, with strong organisational and project management skills. Adaptable, meticulous, diligent, and creative.

🎓 EDUCATION

2010 | 2005

Doctor of Philosophy. Disease Ecology.
School of Biological Sciences — 📍 University of Queensland

1999 | 1995

B.Sc. Ecology/Zoology (1st class Honours)
Department of Zoology and Entomology — 📍 University of Queensland
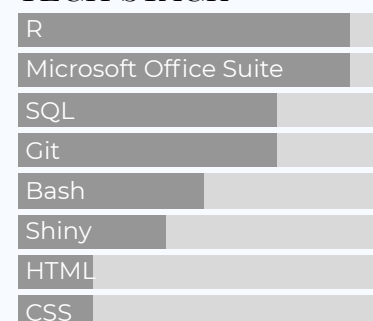
💻 CAREER SUMMARY

current | 2019

Data Analyst
UK Biobank — 📍 University of Oxford

- Provided statistical and analytical support to researchers using the biobank resource and to UKBiobank epidemiologists and programming staff.
- Developed scripts (R, SQL, Bash) to interrogate databases, automate tasks, perform analyses, and generate reports.
- Built data pipelines to incorporate health data from electronic medical records into the UKBiobank resource.

2019 | 2017

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

- Conducted original research on topics in ecology, population dynamics, infectious disease.
- Managed, analysed, and interpreted multiple large data sets using cutting-edge statistical and modelling methods.
- Published and presented research papers at conferences and meetings.
- Supervised graduate and postgraduate students.

2017 | 2015

Research Officer
Department of Population Health — 📍 University of Oxford

- Published scientific research papers and government reports using data from the 40-year UK Medical Careers survey.
- Developed and maintained data pipelines for processing and analysing survey data.
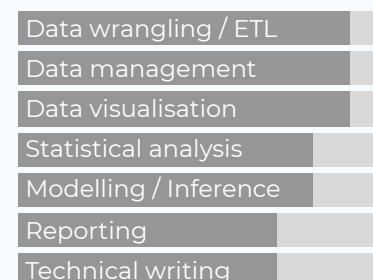
CONTACT

- ✉ shellstar@gmail.com
- 📞 (+44) 07716383098
- Github
- in LinkedIn

View this CV online at _https://github.com/shellylac/CV_datadrivencv/_

TECH STACK

- R
- Microsoft Office Suite
- SQL
- Git
- Bash
- Shiny
- HTML
- CSS

SKILLS

- Data wrangling / ETL
- Data management
- Data visualisation
- Statistical analysis
- Modelling / Inference
- Reporting
- Technical writing

RESEARCH PAPERS

Please see my Google Scholar page for a list of my publications.

*Made in R with **pagedown**.*

Source code available here.

Last updated on 2021-11-01.

2017 | 2011	● **Science Writer and Editor** Freelance · Writing has appeared in: Oxford Science Blog, Living Spain Magazine, 72&Rising, Sabotage Times · Editing for Oxford Science Editing, Edanz, private clients.	📍 Oxford, UK
2014	● **Maternity Leave / Full-time Carer**	📍 Oxford, UK
2013	● **Policy Writer** Mathematical Ecology Research Group · Researched policies for regulating genetically modified organisms (GMOs). · Produced policy brief for members of DEFRA.	📍 University of Oxford
2012 | 2010	● **NERC Postdoctoral Research Fellow** Department of Zoology · Research areas: ecology, evolution, population dynamics, infectious disease dynamics. · Managed, analysed, and interpreted large, complex data sets using varied statistical and modelling techniques. · Published scientific papers and presented research at conferences and meetings. · Supervised graduate and postgraduate students.	📍 University of Oxford

🖥 TEACHING EXPERIENCE

2021	● **Introduction to Text Mining in R (online course)** Department of Population Health	📍 University of Oxford
2019 | 2018	● **Stipendiary Biology Tutor** St Hilda's College · Subjects: Ecology, statistics, epidemiology, conservation, genetics, · Mentored and advised students	📍 University of Oxford
2012 | 2010	● **DPhil Supervisor** Department of Zoology · Surpervised: Dr Irem Sepil and Dr Antica Culina	📍 University of Oxford
2009 | 2007	● **University Tutor: Ecology, statistics, conservation, practicals** School of Biological Sciences	📍 University of Queensland

🏅 GRANTS AND AWARDS

2017	● **Daphne Jackson Postdoctoral Fellowship (GBP £82,000)** Department of Zoology	📍 University of Oxford
2011	● **NERC Urgency Grant (GBP £60,000)** Department of Zoology	📍 University of Oxford

2008	**Ian Potter Research Grant (AUD $130,000)**	
	School of Zoology	📍 University of Tasmania
2007	**Wildlife Disease Association Doctoral Student Award (Value AUD $5,000)**	
	Wildlife Disease Association	📍 Colorado, USA
2005	**Australian Wildlife Society Grant (Value $1,500)**	
	School of Biological Sciences	📍 University of Queensland
2005	**Australian Postgraduate Award ($50,000)**	
	School of Biological Sciences	📍 University of Queensland

💬 INVITED SEMINARS

2018	**"Wildlife Disease Ecology: from individuals to populations and beyond"**	
	Centre National de la Recherche Scientifique	📍 Montpelier, France
2018	**"Understanding an infectious cancer"**	
	Big Data Institute	📍 University of Oxford
2011	**"The curious case of the disappearing devil" (Steve Irwin Memorial Lecture)**	
	University of Queensland	📍 Brisbane, Aust.
2011	**"Disease impacts on wild populations"**	
	Zoological Society of London	📍 London, UK

👥 PROFESSIONAL SERVICE

current | 2019	**Commitee member: BDI Coding Committee**	
	Big Data Institute	📍 University of Oxford
2020 | 2011	**British Ecological Society member**	
		📍 London, UK
2019 | 2017	**Commitee member: Early Career Researcher Network**	
	Department of Zoology	📍 University of Oxford

🤝 VOLUNTEERING

2014 | 2011	**Volunteer display and event interpreter**	
	Oxford Natural History Museum	📍 Oxford, UK
2014	**Volunteer science interpreter**	
	Big Bang Science Fair	📍 London, UK

📰 MEDIA

| 2019
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2008 | My research has been reported on: TV: 6:30 with George Negus, Totally Wild. Radio: BBC Oxford Radio, ABC, 4QR Radio. Print: Sydney Morning Herald, The Australian, Sunday Mail. | |
| | | 📍 UK, Australia |