

Data Analyst

Cambridge University Libraries

Closing Date: Sunday 2 March 2025
Job Reference: VE45102



Library photos by Alice the Camera



Data Analyst

Salary:

£34,866 - £45,163

Contract:

Permanent

Location:

Cambridge

Faculty /Department:Cambridge University
Libraries

Responsible to:-

Head of Assessment and
User Experience**Working Pattern:**

Full Time

Purpose of the Role

The University of Cambridge is a highly research-intensive university, with 93% of our research in the recent Research Excellence Framework (REF) submissions rated as 'world-leading' or 'internationally excellent'. Cambridge University Libraries (CUL) supports this research impact through expert advice, tailored services, and extensive print and electronic collections. CUL comprises the University Library, a network of over 35 faculty and departmental libraries, and an offsite storage facility. The work of the Data Analyst will underpin decisions around library services and collections.

CUL's strategic commitments include the development and delivery of a comprehensive and integrated set of services for all users; services which are user-focused, inclusive, and increasingly digitally enhanced and which are informed by evidence of the changing needs of learning, research and teaching and an understanding of the needs of different academic disciplines.

Reporting to the Head of Assessment and User Experience, the Data Analyst will be responsible for collecting, analysing and presenting a wide range of data – including operational, financial, collections, publishing, and qualitative user research data.

They will develop dashboards, visualisations, and write reports to support planning and evidence-based decision-making relating to services and collections offered by Cambridge University Libraries. This will involve an understanding of: strategic and operational priorities; University commitments relating to open research, the REF and the responsible use of metrics; legal frameworks such as data protection, freedom of information and competition law; and relevant technical standards and technologies.

The role-holder works collaboratively with colleagues in the Electronic Collection Management team, the Office of Scholarly Communication, and the Research Office to inform the development of research services and collections. They will also work with colleagues from other parts of the Libraries on specific projects, for example in support of teaching, learning and research.



Key Responsibilities

- Support the planning and implementation of a programme of activities relating to the collection, management and use of data for service design and delivery.
- Gather, analyse, and interpret quantitative and qualitative data to provide insights that support user-centred service improvements across CUL. This may include conducting user research activities such as interviews, focus groups, and surveys with students and staff to better understand their needs and experiences.
- Contribute to the delivery of the biennial Cambridge Libraries Survey and the annual SCOUNL statistical return, helping to generate insights that inform service improvements and benchmarking.
- Collect and manage data to analyse trends and model future scenarios relating to open research and scholarly publishing, including journal and book use, open access availability (including open data and other research outputs), publishing costs and the publication activities of researchers.
- Contributes to projects within the Open Research Programme including, for example: identifying qualitative and quantitative data requirements, benchmarking of services and activities; investigating research metrics and indicators; monitoring changes; and evaluating the impact of specific projects.
- Assess the quality of these data with respect to the strategic and operational requirements of the University, and the business drivers and risks behind those requirements to demonstrate return on investment and value for money.
- Negotiate with internal and external stakeholders involved in the provision and use of these data to improve the quality and quantity of data available.
- Combine and analyse these data appropriately to create datasets, dashboards, visualisations and reports to inform operational and strategic decisions of Cambridge University Libraries and to facilitate reporting on funder compliance.
- Model good data management practices, including reproducibility of results, and application of the FAIR data principles (developing methodologies, workflows, documentation), and ensuring data collection, analysis and presentation remains within all relevant legal and ethical frameworks. Provide expert data analysis, advice and training for other services of Cambridge University Libraries as required.

Person Specification

This Section details the knowledge, skills and experience we require for the role and would need to be demonstrated within your application alongside any experience related to the responsibilities for the role.

Criteria	Essential	Desirable
Experience of collating, analysing, interpreting and presenting data, both quantitative and qualitative.	✓	
Experience of working effectively as part of a team.	✓	
Experience of working with a range of data including operational, financial, collections, publishing, and qualitative user research data.		✓
Excellent IT Skills, including Word, Excel, Outlook, databases.	✓	
Experience of using data analysis and presentation tools and software (e.g., Power BI, Tableau)	✓	
Programming to automate data extraction through APIs and streamline associated workflows (e.g., using Python, R, or similar tools).		✓
Excellent interpersonal and communication skills, both in writing and verbally.	✓	
Self-motivated with excellent time management, organisational and problem-solving skills, with experience of devising and managing projects and the ability to work proactively, act on own initiative, and manage own workload.	✓	
Educated to first degree level or with equivalent educational experience	✓	
Postgraduate research qualification or equivalent research experience		✓
The ability to operate within a complex and rapidly changing environment.	✓	

Behavioural Attributes

This section summarises the behavioural attributes (or competencies) that we expect the role holder to be able to demonstrate, at what level and whether this is an essential or desirable requirement. Full definitions are at: <https://www.hr.admin.cam.ac.uk/policies-procedures/behavioural-attributes>

Please review these and provide specific examples in your application of how you have demonstrated these attributes in your work, education or other experience. It will assist your application if you explain the situation, what you did and what the outcomes were.

Attribute	Level
Valuing Diversity	A
Achieving Results	B
Communication	C
Innovation and Change	C
Negotiating and Influencing	C
People Development	C
Relationship Building	B
Strategic Focus	C

Professional Services Values

Developed by professional services staff, our values underpin everything we do. By living the values in the work we do, we hope to foster an environment where staff feel empowered. The values encourage staff to; work together and share skills to create a sense of community, act with integrity, take an inclusive and fair approach and develop honest and open relationships that are underpinned by our shared values. We encourage applicants to consider these values within their application



The Cambridge University Libraries

Cambridge University Library and the affiliated libraries

Cambridge University Library is one of the world's great research libraries. The Library is a major scholarly resource, not only for the University's academic community, but also for researchers nationally and internationally. Cambridge University Library has been collecting books and manuscripts since the 14th century and now has one of the greatest and most accessible collections of books and manuscripts in the world. As a legal deposit library for over 300 years, the University Library also has comprehensive holdings of UK publications, as well as extensive collections built up through purchase over several centuries.

Organisationally, the University Library comprises the main University Library and its affiliated libraries (see below for a list of all Affiliated Libraries).

The University Library Department and Faculty Libraries List:

- The African Studies Library
- The Architecture and History of Art Library
- The Asian and Middle Eastern Studies Library
- The Balfour and Newton Libraries (Zoology)
- The Betty and Gordon Moore Library for Physical Sciences, Mathematics and Technology
- The Chemistry Library
- The Casimir Lewy Library (Philosophy)
- The Classics Library
- The Cory and Herbarium Libraries
- The Divinity Library
- The Engineering Library
- The English Library
- The Everton Library (Education)
- The Haddon Library (Archaeology and Anthropology)
- The Genetics Library
- The Geography Library
- The Marshall Library (Economics)
- The Material Science & Metallurgy Library
- The Medical Library
- The Modern and Medieval Languages and Linguistics Library
- The MRC Cognition & Brain Sciences Library
- The Pendlebury Library (Music)
- The Plant Sciences Library
- The Psychology Library
- The Physiology, Development and Neuroscience Library
- The Scott Polar Research Institute Library
- The Seeley Library (History, Land Economy, Latin-American Studies, Policy and International Studies, Sociology)
- The South Asian Studies Library
- The Squire Law Library
- The Radzinowicz Library (Criminology)
- The Rayleigh Library (Physics)
- The Veterinary Medicine Library
- The West Hub Library
- The Whipple Library (History and Philosophy of Science)



Terms of Appointment

Tenure and probation

Appointment will be made on a permanent basis.

Appointments will be subject to satisfactory completion of a probationary period which will be set dependant on the length of tenure.

Hours of Work and Working Pattern

The hours of work for the position are full-time- 37 hours per week - working Monday – Friday.

Pension

You will automatically be enrolled to become a member of USS (Universities Superannuation Scheme) – a hybrid pension scheme. For further information please visit:

www.pensions.admin.cam.ac.uk/.

Annual leave

Full time employees are entitled to annual paid leave of 41 days inclusive of public holidays. For new part-time employees, annual leave will be pro rata'd based on days worked.

General information

Pre-employment checks

Right to work in the UK

We have a legal responsibility to ensure that you have the right to work in the UK before you can start working for us.

If you do not have the right to work in the UK already, any offer of employment we make to you will be conditional upon you gaining it.

Health declaration Once an offer of employment has been made the successful candidate will be required to complete a work health declaration form.

Qualifications

The person specification for this position lists qualifications that are essential and/or desirable. Please note that if you are offered the post you will be asked to provide your relevant original certificates of these qualifications.

References

Offers of appointment will be subject to the receipt of satisfactory references.

Equality and Diversity

We particularly encourage candidates from a Black, Asian and Minority Ethnic background to apply for this vacancy as they are currently under-represented at this level within our University.

Information if you have a disability

The University welcomes applications from individuals with disabilities. We are committed to ensuring fair treatment throughout the recruitment process. We will make adjustments to enable applicants to compete to the best of their ability wherever it is reasonable to do so and, if successful, to assist them during their employment. Information for disabled applicants is available at <http://www.admin.cam.ac.uk/offices/hr/staff/disabled/>

We encourage you to declare any disability that you may have, and any reasonable adjustments that you may require, in the section provided for this purpose in the application form. This will enable us to accommodate your needs throughout the process as required. However, applicants and employees may declare a disability at any time.

If you prefer to discuss any special arrangements connected with a disability, please contact, the Department Administrator, who is responsible for recruitment to this position.

The University

The University of Cambridge is one of the world's oldest and most successful universities. We are a renowned centre for research, education, and scholarship that makes a significant contribution to society. The University is consistently ranked amongst the top universities in the world. Our affiliates have won more Nobel Prizes than any other University.

Our sustained pursuit of academic excellence is built on a long history of world-leading teaching and research within a distinctive collegiate system. For eight centuries our ideas and innovations have shaped the world. Our principal goal is to remain one of the world's leading universities in an increasingly competitive global higher education sector. Today the University of Cambridge is at the centre of a cluster of over 4,300 businesses employing 58,000 people.

Our capital investment projects include academic and commercial growth at both the West Cambridge Innovation District, and the Biomedical Campus in the south of the city. Eddington, in North West Cambridge, is a mixed-use development including key worker housing for staff, a community centre and a new primary school, managed by the University. Through these projects, the University is deeply embedded in, and committed to serving, our local community. These are all conspicuous signs of a University that is not only adapting to new needs, but also anticipating the future.

Our mission is to contribute to society through the pursuit of education, learning, and research at the highest international levels of excellence. Our core values are:

- freedom of thought and expression; and
- freedom from discrimination.



About Us

The University is one of the world's leading academic centres. It comprises 150 faculties and departments, together with a central administration and other institutions. Our institutions, museums and collections are a world-class resource for researchers, students and members of the public representing one of the country's highest concentrations of internationally important collections.

The University has an annual income of £2 billion. Research income, won competitively from the UK Research Councils, the European Union (EU), major charities and industry, exceeds £500 million per annum and continues to grow.

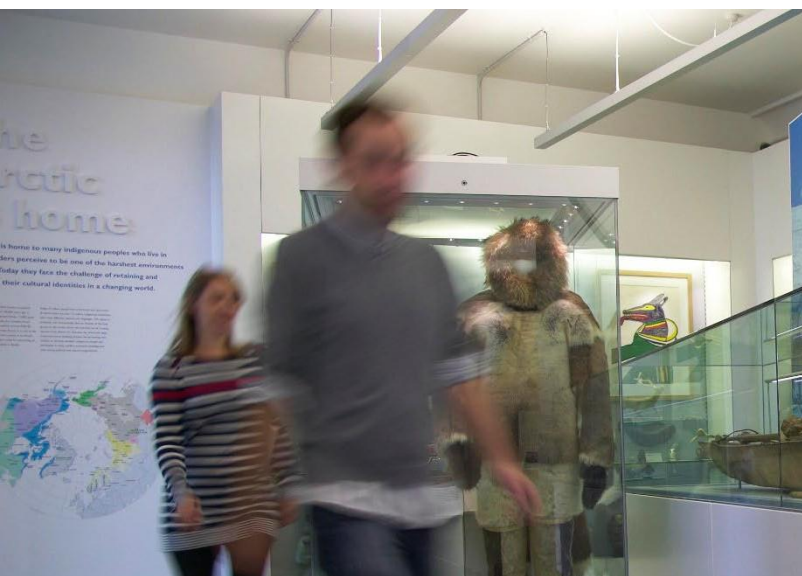
The Colleges and the University remain committed to admitting the best students regardless of their background and to investing considerable resources both in widening access and financial support. The 31 Colleges are self-governing, separate legal entities which appoint their own staff. Many academic staff are invited to join a College as a Teaching Fellow, which provides a further social and intellectual dimension. The Colleges admit undergraduate students, provide student accommodation and pastoral support and deliver small group teaching for undergraduates.

The University awards degrees and its faculties and departments provide lectures and seminars for students and determine the syllabi for teaching.

Our instinct for seeking out excellence and setting up enduring and mutually beneficial collaborations has led us to establish strategic partnerships across the globe. Whether it is the successful Cambridge-Africa Programme involving universities in Ghana, Uganda and elsewhere on the African continent; or the close association with the government of India to pursue new research in crop science; or the creation, with Germany's Max Planck Institutes, of a Cambridge-based centre for the study of ethics, human economy and social change – international partnerships are now an inextricable part of the University's make-up.

“Cambridge graduates and researchers have made – and continue to make – a colossal contribution to human knowledge and the understanding of the world around us. Their work touches on the lives and livelihoods of everyone from patients diagnosed with life-threatening diseases, to residents of areas critically affected by climate change, to children growing up in conflict zones. It has a lasting impact on our society, our economy and our culture: the world is truly a better place thanks to their efforts.”

Stephen Toope, Vice Chancellor 2019



Working at the University

Working at Cambridge you will join a diverse, talented and innovative community, with more than 23,000 students and over 16,000 staff from all walks of life and corners of the world.

The University continually explores strategies to attract and retain the best people. It is committed to supporting its staff to achieve their best. We are a fair, diverse and inclusive society and we believe our staff are our greatest asset. There is strong commitment to developing institutional leadership and supporting and encouraging staff development at all levels.

We offer a variety of roles including academic, research, professional, managerial and support roles. We also offer extensive benefits and excellent learning opportunities within a stimulating working environment.

The University's estate is undergoing the most significant transformation in its history. Cambridge has been able to create a science and technology campus to the west of the city centre, and is expanding further to the north west of Cambridge including investing in affordable homes for University key workers and community facilities. Even with our continued development, the University remains within walking or cycling distance across the campus. The University is a major partner on the Cambridge Biomedical Campus and we continue to redevelop our historic city centre sites demonstrating our determination to ensure that we can offer the best facilities and opportunities for our staff and students.



Equality & diversity

The University has built its excellence on the diversity of its staff and student community. We aim to be a leader in fostering equality and inclusion, and in promoting respect and a sense of belonging for all. We encourage applications from all sections of society. All appointments are made on the basis of merit. We have an Equal Opportunities Policy, along with a range of diversity groups, including the Women's Staff Network, Race Equality Network and LGBT+ Staff Network. More details are available here:

<http://www.equality.admin.cam.ac.uk/>

The University has a bronze Race Equality Charter award, with a framework for improving the representation, progression and success of minority ethnic staff and students within higher education. Furthermore, the University's silver Athena swan award recognises and celebrates good practice in recruiting, retaining and promoting gender equality.

Living in Cambridge

Cambridge is rich in cultural diversity. From beautiful University and College buildings, museums and art galleries, quaint gardens and punts on the River Cam, to a vibrant restaurant and café scene, our employees are surrounded by the wonderful features of this unique city.

You can find a wide-range of high street shops and 3 shopping centres, with independent alternatives at the historic market and nestled within the passageways in the city centre. You will find a cinema, bowling alley, a nightclub and various live performances at the Cambridge Leisure Park, with further entertainment options at the Corn Exchange, Arts Theatre and the ADC Theatre. Further information can be found on the Visit Cambridge website.

If you prefer the faster pace of life, London is a 45 minute train journey away. For those travelling from overseas, Stansted Airport is just 45 minutes away and Heathrow Airport under 2 hours away. The University is a short distance from a host of other attractions such as Ely Cathedral, Newmarket Races and various wildlife parks and stately homes. Cambridge is also within easy reach of the beautiful Broads and coastlines of Norfolk and Suffolk.

Relocation Support

The University recognises the importance of helping individuals to move and settle into a new area. We provide support and guidance to those relocating internationally or domestically to take up a post at the University of Cambridge, liaising with other University offices and selected partners to ensure comprehensive relocation support is available. This includes: accommodation, childcare, schools, banking, immigration and transport. If you would like further information, please visit <https://www.accommodation.cam.ac.uk/RelocationService/>. The Shared Equity Scheme and the Reimbursement of Relocation Expenses Scheme provide financial assistance to qualifying new members of staff with the costs of relocating to Cambridge.

Accommodation Service

The University Accommodation Service helps staff, students and visiting scholars who are affiliated to the University in their search for suitable accommodation in Cambridge. The dedicated accommodation team can provide access to a wide range of University-owned furnished and unfurnished properties, and has a database of private sector accommodation available for short and long-term lets. For further information and to register with this free service please visit <https://www.accommodation.cam.ac.uk/>



What Cambridge can offer

We offer a comprehensive reward package to attract, motivate and retain high performing staff at all levels and in all areas of work.

The University offers a wide range of competitive benefits, from family leave entitlement, to shopping and travel discount schemes. Our generous annual leave package contributes to the positive wellbeing of our University employees. Sabbatical leave enables academics to focus on research and scholarship, whilst still maintaining their full salary. The University also has a [career break scheme](#) for academic and academic-related staff, with additional flexible working policies for all other staff.

Pay and benefits

The University salary structure includes automatic service-related pay progression in many of its grades and an annual cost of living increase. In addition to this, employees are rewarded for outstanding contribution through a number of regular pay progression schemes. The University offers attractive pensions schemes for employees, with an additional benefit of a salary exchange arrangement providing tax and national insurance savings.



CAMbens employee benefits

The University offers employees a wide range of competitive benefits, known as CAMbens. CAMbens offers something for everyone across a range of categories, including:

- Financial Benefits, including shopping discounts (both local and national) and a Payroll Giving scheme;
- Relocation and Accommodation Benefits, including relocation assistance and interest-free Rental Deposit Loans;
- Travel Benefits, including Cycle to Work, discounts on train season tickets and interest-free Travel to Work loans;
- Family Friendly and Lifestyle Benefits, including support with childcare and family friendly policies;
- Health and Wellbeing Benefits, including a University Staff Counselling Service, discounts at the University Sports Centre, and other local gyms, and healthcare schemes.



What Cambridge can offer

Family-friendly policies

The University recognises the importance of supporting its staff. We have a range of family-friendly policies to aid employees' work-life balance including a generous maternity, adoption and shared parental leave entitlement of 18 weeks full pay, and paid emergency leave for parents and carers.

Other family-friendly support includes:

Our highly regarded workplace nurseries, a childcare salary exchange scheme and a high quality holiday Playscheme may be available to help support University employees with caring responsibilities (subject to demand and qualifying criteria). Further childcare information can be found here:

<https://www.childcare.admin.cam.ac.uk/>

The Newcomers and Visiting Scholars Group is an organisation within the University run by volunteers whose aim is to help newly arrived wives, husbands, partners and families of Visiting Scholars and members of the University to settle in Cambridge and give them an opportunity to meet local people. The Postdoc Academy supports the postdoctoral community within Cambridge. Further details are available here: <https://www.postdocacademy.cam.ac.uk/>

Your wellbeing

The University's Sport Centre, Counselling Services and Occupational Health are just some of the support services available to University employees to promote their physical and mental wellbeing. The University delivers The Festival of Wellbeing annually, which is a programme of stimulating talks and activities, which aim to promote wellbeing and good mental and physical health. The University also hosts the [Cambridge Festival](#), which is a great opportunity to get your first taste of public engagement, through volunteering, supporting hands-on activities or proposing a talk.

Development opportunities

We support new employees to settle in through various activities as well as supporting their professional and career development on an ongoing basis. Our Personal and Professional Development (PPD) team provide development opportunities for all University employees, including face-to-face sessions, online learning modules and webinars. All employees also have unlimited access to LinkedIn Learning to support their development. Both new and existing employees can undertake funded Apprenticeships, which lead to a range of vocational and professional qualifications. We offer reduced staff fees for University of Cambridge graduate courses and the opportunity to attend lectures and seminars held by University departments and institutions. A range of University training providers also offer specialist learning and development in their own areas e.g. teaching and learning, digital literacy, finance, health and wellbeing, safety.



How to apply

Applications should be submitted online via the University of Cambridge jobs page www.jobs.cam.ac.uk by clicking “Apply online” in the job advert. You will need an email address to register for our online system.

Conversations about flexible working are encouraged at the University of Cambridge. Please feel free to discuss flexibility prior to applying (using the contact information below) or at interview if your application is successful.

Informal enquiries are welcomed and should be directed to:

Dominic Dixon, Head of Assessment and User Experience

Email: dd547@cam.ac.uk

If you have any queries regarding the application process please contact: **Jacqueline Quintana, Recruitment Administrator** on jobs@lib.cam.ac.uk

The closing date for applications: **Sunday 2 March 2025**

The interview date for the role: **w/c 24 March 2025**

UNIVERSITY OF
CAMBRIDGE

