

Sol Yates

RESEARCH ASSOCIATE · HONORARY RESEARCHER · RESEARCH ASSISTANT

✉ contact@solyates.uk 🏠 <https://solyates.uk/> 🌐 oddish3 📞 0009-0004-8754-2108

April 2026

Experience

Research Associate in Health Economics

Manchester, UK

MANCHESTER CENTRE FOR HEALTH ECONOMICS, UNIVERSITY OF MANCHESTER

Oct 2024 - Present

- Conducted trial-based economic evaluations for **EQUITY WP4**
- Experience conducting regression-based analyses on large-scale healthcare datasets (**Rheum4U**)
- Experience drafting peer-reviewed manuscripts
- Contributed to academic publications, presentations, and grant applications while actively supporting the development of the Manchester Centre for Health Economics.
- Provided technical guidance and informal R training to academic colleagues
- Manage administrative leadership duties, including chairing meetings and supervising/interviewing research interns
- Accredited Researcher (ONS, 2025–2030): authorised to access secure microdata under the Digital Economy Act 2017 for research in the public interest

Honorary Researcher

Manchester, UK

MANCHESTER UNIVERSITY NHS FOUNDATION TRUST

Nov 2024 - Present

- Experience collaborating with clinicians and multidisciplinary teams to collect primary care data for genetic testing study (EYEGEN)

Research Assistant

Manchester, UK

ECONOMICS DEPARTMENT, UNIVERSITY OF MANCHESTER

Aug 2023

- Implemented support vector machines to predict poverty lines in Python. Performed study replication, data preprocessing, feature engineering, model training, and evaluation.
- Collaborated with team members and independently contributed to various aspects of the project.

Education

University of Manchester

Manchester, UK

MSc IN ECONOMICS

Sep 2023 - Aug 2024

- Grade: **Distinction**
- **Dissertation:** Differences-in-Differences with a Continuous Treatment : New Evidence and Applications
- **Key Modules:** Econometric Theory, Microeconometrics, Health Economics

University of Manchester

Manchester, UK

BA IN ECONOMICS

Sep 2020 - Jul 2023

- Grade: **First Class**
- **Key Modules:** Econometrics and Data Science, Quantitative Methods, Microeconomics

Teaching

Teaching Assistant

Manchester, UK

POPH60092 ECONOMIC EVALUATION IN HEALTHCARE, UNIVERSITY OF MANCHESTER

2024–2026

- Assisted with discussion boards and assessment preparation
- Module leads: Gemma Shields (2024–25), Sean Gavan (2025–26)

Skills

Languages

R, Stata, Python, Matlab, C++

Programs

Excel, Github

Publications

1. [Yates, S.](#), Whittaker, W., Harrison, M., Bayliss, S., Barton, S., Sergouniotis, P.I., Payne, K., Black, G. (2026). Patterns of X-linked Retinitis Pigmentosa Genetic Testing in England and Implications for Service Provision. **Ophthalmology Science**, 101180. <https://doi.org/10.1016/j.xops.2026.101180>
2. Rogers G, Landi S, Pursell H, Momoh T, [Yates S](#), Street O, Hanley K, Hanley N, Athwal V, Payne K (2025). Proactive case-finding and risk-stratification in people at risk of chronic liver disease in Greater Manchester: a cost-effectiveness analysis. **Preprint**. <https://doi.org/10.1101/2025.06.01.25328671>

Research in Progress

- **EYEGEN:** Mortality-adjusted XLRP prevalence estimation using a single national testing centre.
- **Equity RCT:** Health economic analysis of a cluster randomised trial of a mental health training intervention.
- **Rheum4U:** A longitudinal study of the Presenteeism-Health status relationship in Rheumatoid Arthritis disease registry.
- **IMATCH Scoping Review** of benefit measures for increasing the output of clinical trials.
- **ID-Liver WP1:** Built a multistate model to estimate disease progression using patient-level data in ARLD.
- **ID-Liver WP2:** Further Developing the Evidence on the early diagnosis of Liver Disease.
- **EYEGENE:** Cost effectiveness of a hypothetical RPGR-XLRP therapy under a test-treat framework.
- **Breast Cancer Medicine NMA:** Systematic review and network meta-analysis of medicines that reduce the risk of breast cancer.