

# Jack Elkes

London

## Profile

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I am a confident, passionate and driven individual with an interest in statistics, particularly in health research for patient care. The knowledge and skills acquired during my various job positions, volunteering and university degrees have enabled me to pursue my interest as a biostatistician in clinical trials. I have taken opportunities to engage in activities outside of my current role to develop my personal skills further. I have consistently demonstrated the ability to adapt into any role; I thrive under pressure and can become an integral addition to any team.

## Key Skills Summary

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- Strong understanding of statistical programs (Stata, R & SAS)
- CDISC certified SDTM and ADaM datasets
- Experience in Phase I/II/IV clinical trials in various therapeutic areas
- Strong understanding of Relational Databases, SQL queries, and Data Manipulation
- Extensive use of MS Office and strong Excel skills, including understanding Macros using VBA
- Use of Git on Github, Python, HTML, CSS.

## Education & Qualifications

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Sept 2016 – Sept 2017	<b>MSc Medical Statistics</b> <b>London School of Hygiene &amp; Tropical Medicine</b> <b>Topics:</b> Statistical Inference, Clinical Trials, Bayesian Analysis, Regression Analysis, Survival Analysis and Statistics in Epidemiology. During this masters I have learnt many fundamental skills of a statistician and have been able to work with real data sets to apply my knowledge and further my understanding, using the programming languages; Stata and R, where I have developed my technical skills further. <b>Dissertation:</b> I created an integer risk score from a multivariable logistic regression to predict a patient's risk of a large blood transfusion. Performance of the integer risk score was validated on an external dataset and compared to the full specified model and one where missing data had been imputed using chained equations (MICE).
Sept 2012 – July 2015	<b>BSc Honours Biomedical Sciences</b> <b>University of Brighton</b> <b>Result:</b> 2:1 <b>Topic areas:</b> Medical Statistics with Epidemiological Applications, Fundamentals of Analytical Chemistry, Haematology, Cell Pathobiology, Immunology, Biochemistry and Microbiology. <b>Dissertation:</b> Ways to improve stent stability, <i>in vivo</i> , within atherosclerotic arterioles, using a copper Cu(II) oxide catalyst for the release of nitric oxide (NO) from proteins naturally containing NO.
Sept 2010 – July 2012	<b>A Levels</b> <b>Tring School</b> <b>Subjects:</b> Mathematics (A), Chemistry (B), Biology (C), Physics AS Level (B)

## Employment & Work Experience

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Oct 2017 – Current	<b>Biostatistician</b> <b>IQVIA</b> I work on the analysis and presentation of outputs for Reports. During projects I create annotated table shells, SAP reviews and produce tables, listings and figures with SAS. I programme outputs for both the safety domains and statistical analysis of primary/secondary outcomes. I have experience writing programs for Multiple Imputation, Survival Analysis and various Regression modelling methods. I have experience writing CDISC standard specifications for both SDTM and ADaM datasets, and working with other departments to quickly resolve data issues, implementing my own data checks.
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**Additional Responsibilities:** Alongside my project work I am a Mental Health First Aider for the office, acting as the first point of call. I am also on the fundraising committee, and the treasurer of the office social committee, all of which has helped me connect to other staff in other roles I would not normally and grasp the bigger picture. I am also the editor for the monthly newsletter, reaching 600 staff at the site, with input from the site heads and department leads.

April 2018  
- Current

**Publications Committee Volunteer  
PSI (Promoting Statistical Insight)**

I jointly run the industry renowned journal club once a quarter. We select two recent papers published in the PSI journal and ask the authors to present in our webinar open to anyone, with around 100 listeners at each webinar. Papers are decided based on recent industry trends that are identified.

April 2017  
- Sept 2017

**Programmer/RWE Analyst  
IQVIA (formerly QuintilesIMS)**

I worked part time around my masters on the hospital treatment insight team, a dataset with over 80 million patient records. Using SQL queries on highly confidential patient data I created feasibility counts for potential studies and for internal quality assurance of the database. I worked closely with other programmers on the team to ensure all queries are fully optimised.

Sept 2016  
- Sept 2017

**Student Ambassador & Student Course Representative  
London School of Hygiene & Tropical Medicine**

I was the course representative, I liaised with the programme director and the management team to relay group feedback and provide a student's perspective on different matters. As a student ambassador, I helped prospective students learn more about the study opportunities at LSHTM, speaking to students at open days and through an online profile stored on the LSHTM website.

Sept 2013  
- Sept 2017

**A level/GCSE Science & Maths Tutor**

Around my A levels I tutored GCSE students in Biology and Chemistry. Since starting my master's degree I taught students doing GCSE Mathematics, and A level Chemistry. I have found this experience an enjoyable challenge, and I have since gained a better fundamental understanding of the principles behind the content. I enjoyed teaching and inspiring younger individuals.

Sept 2015  
- Sept 2016

**Marketing & CRM Systems Analyst  
Computappoint**

Working as the administrator I maintained the quality of the database. With over 200 new records generated each month, both candidates and clients, I worked with the London sales team to ensure high quality data was kept on the database. I delivered key sales metrics to the management team as part of the monthly reports of business and employee performance. I trained current and new staff to improve the sourcing of candidates on the database. Additionally I was part of the team who created an online marketing strategy aimed with improving conversion from social platforms to applications of jobs on the website, using analytical tools to assess performance. I managed the company's social media pages and website analytics to engage with prospective candidates and increase the company's brand awareness.

July 2015  
- Aug 2015

**Students Union Retail Staff Training Developer  
University of Brighton Students' Union**

I worked on a project to improve onsite training for new staff by creating online material that could be used. With the guidance of the retail manager I created a 4-level student staff training scheme that helped to reduce training time onsite. I built an adaptive e-learning system using only free resources, which allowed managers to track progress. This in turn created a better understanding of how well new staff were learning techniques, and meant statistics about their progress could be analysed. Through collaboration with the Students' Union staff we created a platform that is now in use across all the 7 outlets and has become mandatory training for all current/new staff.

## Interests

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I actively seek out opportunities to broaden my knowledge; I am currently learning about machine learning and AI through free courses such as Udemy and Google Education using the languages Python and R. I have created my own website, through self-taught HTML, CSS and some PHP. I am a St John's First Aid volunteer for events around my local area and a STEM ambassador in my local area. I play a lot of sport, mainly wakeboarding and football as well as rock climbing and squash.