

George Bennett

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Personal statement

A data professional with an MSc in Computer Science, coupled with a BA in Modern History. Holding over three years experience, primarily in survey data processing, within the UK Household Longitudinal Study (UKHLS). Proficiency in Stata, Python, R and SQL. Deep knowledge of data issues and correction methods within large datasets. Experience of creating and maintaining derived variables for use within academic and governmental policy making; such as pension data. Conversant in data linkage projects within a variety of datasets, including DVSA vehicle statistics. Familiarity with genetic data processing and creation of customised data files for varied academic projects.

Core Skills

- Data scripting and cleaning
- Stata, Python, R and SQL
- Documentation
- Analysis and problem solving
- HTML/CSS/Javascript
- Staff training

Work Experience

Survey Data Officer - Understanding Society, Institute for Social and Economic Research (ISER), University of Essex - January 2020 - Present

Key Responsibilities:

- **Stata processing** - Run numerous complex Stata scripts to create UKHLS (UK Household Longitudinal Study) datasets for a variety of users, culminating in the release of three Main waves of data, four Innovation Panel and other datasets, whilst employed so far.
- **Stata cleaning/ corrections** - Fixing an array of issues and data anomalies for data integrity and reliability before release. Additionally, to review and improve upon previous data releases for continuous enrichment of our data products.
- **Stata variable creation** - Oversee the management of existing and implementation of new derived variables for use in UKHLS datasets in upcoming and amended releases. Variables include additions to education, health and employment. In total over 100 variables across multiple waves of data.
- **Stata data linkage** - Manage the linkage of external datasets to be paired with UKHLS datasets, such as DVLA sourced vehicle ownership statistics.
- **Stata files for external users** - Preparation of over 12 internal Stata files for external UKHLS users to integrate in their own research, especially regarding derived variables, for instance on SDQ subscales in youth data.
- **Code Optimisation** - Continual optimisation of the structure of data processing by updating legacy code and condensing large files.

- **Genetics Data Processing** - Conduct the creation of customised genetic and epigenetic datasets on a per user level, within both R and Stata. I have worked on over 10 diverse applications from users in the UK and the EU.
- **Documentation extracts** - Design and implement automated python scripts used to pull information from Collectica portal, which is used in survey documentation.
- **Documentation for study users / internal use** - Production of several internal and external documentation processes; helping all users understand our data more.
- **Colleague Training** - Responsibility for training fellow colleagues on the processes of the UKHLS survey, especially around data release activities.
- **Liaison for data users** - Liaise with data users to resolve and process varied data related issues, especially within genetic applications.

Volunteer - Colchester Castle, Colchester Borough Council – December 2017- May 2018

Customer Services Assistant, Essex County Council – February 2015 – March 2016

Qualifications

University of East Anglia – 2018-2019 - MSc Computer Science - Distinction Dissertation

- Assessed previous user knowledge and its impact on the Think-Aloud Methodology using Steam, a PC games distribution service.
- Researched UI/UX principles including Concurrent and Retrospective Think-Aloud usability testing.
- Conducted research with 32 participants split into Novice and Experienced Participants.
- Gained research metrics using data collection tools such as desktop capture software OBS and questionnaires in individual interviews settings.
- Analysed research findings in Microsoft Excel and SPSS, providing critical feedback on the assessed methodology, service and the effectiveness of the study.

Internet and Multimedia Techniques

- Learned the fundamentals of website development with HTML5, CSS and JavaScript. Created functional websites such as a booking system and front end of a hotel website.

Database Manipulation

- Became familiar with SQL and database structures, developed several databases within projects, including integration with JDBC and on the HTML hotel website above.

University of Essex – 2014 – 2017- BA Modern History - 2.2

Colchester Sixth Form College - 2012-2014 – A-Levels

- History, Geography, Environmental Sciences - B, B, C

Colne Community School – 2007-2012 - GCSEs

- 14 GCSEs graded A-C, Including Maths, English, IT, Geography and History