This is an exciting opportunity to undertake a 3-month internship from your PhD to be involved in cutting-edge research relating to the “Multilevel Analysis of Individual Heterogeneity and Discriminatory Accuracy” (MAIHDA) quantitative method. We have funding for three positions.

The post holders will work with Dr Andrew Bell on an ESRC-funded project entitled ‘Refining and embedding the Intersectional MAIHDA approach to intersectionality in quantitative social science research’, alongside other Co-Is on the project: Clare Evans (University of Oregon), George Leckie (University of Bristol), Will Johnson (University of Loughborough) and Dan Holman (University of Sheffield). More information is available at <https://intersectionalhealth.org/projects/esrc-maihda-project/>

This role will involve working on a specific project, the exact nature of which will be flexible to the applicants interests.

This role will involve working on a specific project, the exact nature of which will be flexible to the applicants interests. Examples of possible projects include:

• Applying MAIHDA to a subject/ large dataset of the applicants choosing, supported by the project investigators

• Using simulation studies to evaluate the MAIHDA approach

• Develop Shiny apps in R, that help easy/efficient interpretation of MAIHDA results for researchers

• Develop innovative learning resources that help researchers to understand MAIHDA

• Translate code from our papers into other software packages, to help users to use the materials

• Other ideas that the applicant might have.

When applying, you should outline any ideas that you have / would be interested in pursuing if successful in the application.

The work should result in one or more outputs, for instance co-authored journal articles for publication, interactive websites, code uploaded to open research repositories, etc.

**Main duties and responsibilities**

• Write computer code in R, Stata or equivalent, for the purpose of analysis as detailed above

• Use MAIHDA and related methods to analyse social science research data

• Writing up results into academic and public-facing outputs, such as journal articles, Shiny R apps, etc, in collaboration with the project investigators

• Present results to the project investigators, and the wider research community

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**Applicants should:**

• Have a good honours degree (or equivalent experience) and Masters’ level social science/health research training

• Expertise using R or Stata for quantitative analysis

• Experience using large datasets such as the UK Household Longitudinal Study

• Experience estimating multilevel models, using large datasets such as UKHLS

• Effective communication skills, both written and verbal

• Ability to undertake project work in a timely fashion

It would also be beneficial for candidates to have

• Experience using the MAIHDA method for social and/or health research

• An interest in taking an intersectional approach to social/health research

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Please submit an application for this role [here.](https://docs.google.com/forms/d/e/1FAIpQLSeHkhhY2bMgOS0SuJIE3t5sf8uWX5lwbh1FMU_u18NhBHhkTA/viewform?usp=header)

There are 3 posts available.

Start date: 8 September 2025 (TBC)

End date: 12 December 2025 (TBC)

Application closing date: 25 June 2025 @12pm