Data Management course

**Application form questions**

1. What’s the difference between a statistician and a data scientist?
2. What experience do you have of programming, coding, or using a script-based statistical package?
3. What are some of the advantages and disadvantages of script-based data analysis compared with graphical user interfaced based analysis?
4. What are the main file types used by computers to store data? What are the advantages and disadvantages of these different file types?
5. What are some of the main variable types you are likely to encounter in a statistical packages? What is the difference between data and metadata, and how can the different variable types be thought of in terms of the data/metadata distinction?
6. What do you want to achieve by the end of the course, and in the year following the course, in terms of data analysis and quantitative research?