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***Data Science: Training and Capacity Building***

**Data Wrangling – Organising and Enabling Data**

**12th – 14th March 2019**

**InTuition House, London**

**Dr Diarmuid McDonnell and Professor Vernon Gayle, AQMEN, University of Edinburgh**

**Programme**

12th March

9:30 Registration

10:00 Welcome

10:05 The Social Science Data Analysis Workflow

11:00 Tea / Coffee

11:30 Software Demonstration

12:00 Activity 1 - Getting Started with R

13:00 Lunch

14:00 Activity 2 – Organising Variables and Measures

15:00 Tea / Coffee

15:30 Activity 3 – Linking and Shaping Data

16:30 Reflections

13th March

10:00 Activity 4 – Dealing with Temporal Data

11:00 Tea / Coffee

11:30 Activity 5 – Harvesting Web-based Data

13:00 Lunch

14:00 The Value of Social Science

15:00 Tea / Coffee

15:30 Checking Data Quality and Risks – QAMyData Demonstration

16:30 Reflections

14th March

10:00 Data in the Business World

10:30 Introduction to the Hackathon

11:00 Activity 6 – Automating Data Wrangling Operations

11:30 Deep Work (Phase 1)

13:00 Lunch

14:00 Deep Work (Phase 2)

16:00 Group Presentation

16:30 Reflections