****

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

**Predictive Data Analytics**

**19th – 21th March 2019**

**Edinburgh Training & Conference Venue**

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

**Programme**

19th March

9:30 Registration

10:00 Welcome

10:05 Thinking Predictively

11:00 Tea / Coffee

11:30 Software Demonstration

12:00 Activity 1 - Getting Started with R

13:00 Lunch

14:00 Activity 2 – Fundamental Statistical Concepts

15:00 Tea / Coffee

15:30 Activity 3 – Statistical Models

16:30 Reflections

20th March

10:00 The Research Value of Longitudinal Data

10:30 Activity 4 – Longitudinal Data Analysis

11:30 Tea / Coffee

12:00 Analysing Durations

12:30 Activity 5 – Analysing Durations

13:30 Lunch

14:30 Activity 6 – Modelling Trends

15:30 Tea / Coffee

15:45 Further Modelling Approaches

16:30 Reflections

21st March

10:00 Introduction to the Hackathon

10:30 Data in the Business World

11:00 Deep Work (Phase 1)

13:00 Lunch

14:00 Deep Work (Phase 2)

16:00 Group Presentation

16:30 Reflections