Warwick Q-Step Methods Spring Camp 2016

DAY 2 — Digital Health: Data Mining and Visualising Big Social Data

22nd April, 2016

Warwick Q-Step Spring Camp

Workshop Led by Sam Martin, University of Warwick

Sam Martin is a doctoral candidate in the Centre for Interdisciplinary Methodologies at the University of Warwick. Prior to pursuing her PhD, Sam worked extensively in the field of E-Learning and Web Development at University College London, Manchester University (as an Honorary fellow) and Kings College London. Sam specialises in Data Mining, Data Visualisation, Digital Cartography, and the impact of Health in the use of Social Media in the City. Sam has also created several mobile health apps aimed at helping patients with Coeliac Disease find Gluten Free food in London and Paris. She has also researched the rise in abusive patterns of behaviour on Twitter.

Workshop Details:

In a world where the sharing of health data is becoming widely digital, the demand to make sense of and visualise this information becomes increasingly necessary. This workshop aims to give you the skills to source publicly available health data, map and visualise it too.

The workshop will provide you with an introduction into how to mine Twitter and Instagram for social data, as well as give you the tools and skills to analyse and visualise your data sets via social network maps and digital GIS mapping.

Participants will:
- Learn to use simple techniques to mine the public Twitter and Instagram APIs
- Learn how to clean data using Google Spreadsheets and Google Add-ons
- Learn how to use Qualitative software to analyse tweets for co-occurring patterns, topics and trends
- Learn how to map and visualise text and image data collected from Twitter and Instagram onto dynamic and interactive maps that can be embedded into projects

Programme

10.30 – Workshop Registration and Coffee
11.00 – Digital Health: Data Mining and Visualising Big Social Data – Part I
13.00 – Lunch
14.00 – Digital Health: Data Mining and Visualising Big Social Data – Part II
16.00 – Refreshments and Networking
16.30 – Finish