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THE CAMBRIDGE STATISTICS DISCUSSION GROUP
Monday 4th February 2019 7:15 for 7:45

Department of Applied Mathematics and Theoretical Physics,
Centre for Mathematical Sciences,
Wilberforce Road,
Cambridge, CB3 0WB

From Fingertips to RAP: getting statistics into public health policy and practice
Sian Evans & Stephen Yeung, Public Health England

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Abstract: In this non-technical talk, we will present an introduction to Public Health England (PHE), the national executive agency for public health, with a focus on how PHE supports and promotes the use of information to improve population health. We will provide an overview of some of the data gathering by PHE and how it is used to inform routine surveillance of population health issues. We will explore some of the methods used to visualise population data including the PHE Fingertips data platform. We will also look at some of the recent developments in population health data including the development of reproducible analytical pipelines to support standardisation of high quality analytical approaches in everyday practice. Finally we will present a case study example of applied population health analytics to explore changes in health inequalities in an area over time.

Speaker: Sian Evans is a Consultant in Public Health and lead for the Local Knowledge and Intelligence Service (LKIS) in the East of England. Sian has extensive experience of the practical application of population health data to understand and address population health issues. Prior to joining PHE, Sian worked with the Eastern Region Public Health Observatory (erpho) where she led on maternal and child health intelligence. Since taking on the LKIS role, her remit has expanded to cover the full lifecourse. Stephen Yeung is a Senior Knowledge Transfer Facilitator within LKIS where he undertakes a range of activities across its core functions of Analysis, Training and Knowledge Mobilisation. He is also linked into PHE Public Health Data Science's Automation workstream, focussing on indicator production. Prior to joining PHE, Stephen held various positions as a Statistician within the Health Service, with interests in public health intelligence, statistical process control, and statistical fraud detection.

Directions: The main entrance is reached from Clarkson Road by going along the footpath to the right of the Newton Institute, and turning left through the gatehouse towards the main building (Pavilion A), which has a glass front and a curved grassed roof. Coffee before the talk will be in the common room in Pavilion G, and the talk will be in Meeting Room 15 in Pavilion G. The main entrance is in the middle of the glass front. Free Parking is available after 5pm on Clarkson and Wilberforce Roads and by entering the site off Clarkson Road. Admittance may be difficult after 7:45.

Provisional Next Meetings:
25th February – Nicole Janz (University of Nottingham) on ''Solving the Reproducibility Crisis'. 19th March – Graham Wheeler (UCL Cancer Trials Centre). 30th April – Matthew Bland (Institute of Criminology).
9th October – Imre Leader (Department of Pure Mathematics) on 'Clueless Voting'. 26th November – Nick Goldman (European Bioinformatics Institute).

Supper: Some members eat regularly in the University Centre before each meeting **at 5-45pm**. All welcome !

Subscriptions: of 1 pound are now due for attending the 2018-2019 session. **Secretary:** Peter Watson, MRC Cognition and Brain Sciences Unit, 15 Chaucer Road, Cambridge CB2 7EF;
telephone 01223 273712; E-mail peter.watson@mrc-cbu.cam.ac.uk

Slides and .mp3 files of old talks: http://www.mrc-cbu.cam.ac.uk/people/peter.watson/csdg.html