

MERL Tech DC 2018
Professional Development Workshop
Hosted by the World Bank, Independent Evaluation Group (IEG)

Location: World Bank, Room I-1-200: 1850 I-St. N.W. Washington D.C.

Big Data and Development Evaluation

Wednesday September 5, 2018

Facilitators:
Michael Bamberger
Kerry Bruce
Pete York

8.30 – 9.00	Workshop registration
9.00 – 9.30	Session 1: Introduction / Overview – Kerry Bruce <ol style="list-style-type: none">1. Introductions2. Workshop objectives and structure3. Quick definition of big data
9.30 – 10.00	Session 2: The data revolution and the explosion of big data – Pete York <ol style="list-style-type: none">1. The dramatic expansion of digital technologies2. Defining big data for development3. The big data ecosystem actors – roles4. Applications of Big Data in development programs Handout 2-1 Sources of big data

10.00 – 10.30	<p>Session 3: Sources of big data that can be used in evaluations – Michael Bamberger</p> <ol style="list-style-type: none"> 1. Review of big data sources potentially applicable to evaluation 2. Examples of 3 promising big data tools <ol style="list-style-type: none"> a. Social media analytics b. Mobile phones: tracking mobility and using air-time purchases as an indicator of income c. Combining satellite images, ATM transactions, air-time purchases, digital purchase records and social media to triangulate estimates of poverty
10.30 – 10.45	BREAK
10.45 – 11.15	<p>Session 4: Using administrative data to create integrated data platforms Kerry Bruce</p> <ol style="list-style-type: none"> 1. Overview 2. An example: Using integrated data platforms to combat modern slavery -
11.15 – 12.00	<p>Session 5 Exercise: Kerry Bruce</p> <ul style="list-style-type: none"> • Option 1: what are possible sources and applications of big data in your work • Option 2: Challenges using big data in your work
12.00 – 12.30	Morning Session – Questions and discussion
12.30 – 1.30	LUNCH
1.30 – 2.00	<p>Session 6 Introduction to big data analytics – Pete York</p> <p>Handout 6-1 Tools and techniques for big data analytics</p>
2.00 – 2.45	<p>Session 7: How to bring the tools of data science and social science together – Pete York</p> <ul style="list-style-type: none"> • Case studies - Broward County Sheriff's Office <p>Handout 7-1 Where to go to for more information</p>
2.45 – 3.00	BREAK
3.00 – 3.30	<p>Session 8: Integrating big data into the program evaluation cycle - Michael Bamberger</p>
3.30 – 4-15	<p>Session 9: Discussion: how could you use big data in your evaluation work? – Michael Bamberger</p>
4.15 – 4.30	Closing and evaluation