

MPS Presentation

ICONIC Workshop

Trevor Adams

Head of Data Development Team

trevor.adams@met.police.uk



Structure

With more than 43,000 officers and staff, the Met is the UK's largest police service and has 25% of the total police budget for England and Wales. As such, it requires considered structure and division of disciplines and skills; with the aim of maintaining a finely tuned, cohesive organisation.

The structure of the Met

Here's how our personnel are divided up within the various departments of the Met:

- 31,075 officers
- 8,732 police staff
- 1,464 police community support officers
- 2,763 Special constables

(as of January 2017)

The Met comprises four business groups:

- Frontline Policing
- Specialist Operations
- Met Operations
- Professionalism

These are supported by a single Met HQ that provides strategic services covering People and Change, Commercial and Finance, Legal, Media and Communications, Strategy and Governance and Digital Policing.

Shared Support Services then provide transactional and support services including finance and reporting, hire to retire, career transition/awards, procurement, referencing and vetting.



What do we do?

- Set up in 2004 to develop data to meet the needs of our “new” policing model “Safer Neighbourhood Policing”
- Started by developing a crime geocoder – now geocode most “addressable data sources”
- Now manage data from a wide variety of internal and external sources
- Deal with “Special Projects” – when all else fails ask the DDT
- Involved in many aspects of data sharing with partners
- Manage large scale data requests with partners
- Run the corporate dashboard platform & build the more complex dashboards
- Use a wide variety of “commercial” data tools



Projects

What have we done so far:

- ASB Reporting Portal 2007
- Public Crime Mapping 2008
- HO Crime Mapping 2009
- Mapping for Silver 2010
- Olympics 2012
- London Riots (2011) 2013
- CTSET Profiling 2013
- Predictive Crime Mapping 2014
- UCL CPC Project
- UCL Predictive Crime Improvement
- Troubled Families
- Harm Index (CHI/ONS)
- Hate Crime
- Gangs Matrix

What are we currently involved in:

- GLA SafeStats
- Open Data – London Datastore
- Local Life
- HO police.uk/SOH
- Stats & Data Portal Dashboards
- Safe and the City (Start-up)
- Revised Gangs Matrix & Dashboard (ICO)
- Safeguarding Dashboard
- Body Worn Video Dashboard
- Offender Management Dashboard
- Data Washing
- UCL Data Lab
- Corrosive Substance Offending
- Mental Health & Radicalisation



**METROPOLITAN
POLICE**

TOTAL POLICING

Data Science Projects

- Datathon
 - HO - Data Analytics Competency Centre / ONS - Crime Statistics, Big Data
- ThoughtSpot – NLP
 - Use Case – “Live” Location Intelligence
- VALCRI – Visual AnaLytics for sense making in CRiminal Intelligence Analysis
 - ML & Data Discovery
- NDAS - National Data Analytics Solution (WMP)
 - Most Serious Violence/Workforce Wellbeing/Modern Day Slavery
- ODA – Office for Data Analytics (Avon & Somerset)
 - Reduce Serious Youth Violence
 - Missing Persons/Child Sexual Exploitations/Possession of Drugs/Weapons
- Ask Data – Tableau (NLP)



High-profile challenges

- Knife Crime
 - Gun Crime
 - Moped Enabled Crime
 - County Lines/Child Sexual Exploitation
 - Demand Reduction
- } Tackling Violent Crime
- Data cleaning
 - Text Mining – context related
 - Data merging



Challenges

- Riots – two studies – same data – different approaches – different conclusions – nothing new learned from either
- Projects time constrained – leave unfinished business/objectives unrealised
- Data requirements – common issues
 - Guess at what data is needed
 - Ask for too much detail
 - Limit themselves to what they think they need – often not broad enough
 - Underestimate the complexity of the data – volume – format – field definitions
 - Large volumes of data does not guarantee usefulness
 - Needed from more than one source - getting comparable data is difficult
 - Merging far from straightforward
 - Introducing data from elsewhere raises risks
 - Forget that the ICO has teeth



A photograph of a courtroom interior. The walls are covered in vertical wood paneling. In the foreground, there is a wooden bench with several rows of brown leather chairs. The chairs have a tufted, quilted pattern on the backrests. A white rectangular box is superimposed over the center of the image, containing the word "Questions" in a large, black, sans-serif font. To the left, a whiteboard is partially visible on a stand.

Questions