

Agenda

9.00 Tea/coffee

9.30 Welcome & Introduction

Andrew Collinge, Assistant Director of GLA Intelligence Unit

Using data analytics to find those most at risk from fire Andrew Mobbs, London Fire Brigade

London Office of Data Analytics Pilot

Andrew Collinge, GLA & Hilary Simpson, Nesta

London's Charity Sector Data: a hidden gold mine?

Emma Prest, DataKind & Vivienne Avery, GLA

10.40 break

Agenda

11.10 Tea/coffee

New Labour Market Indicators:

Joel Marsden, GLA Economics

LB of Islington:; Health Mapping

Ellis Turner, Environmental Health Manager

LB of Waltham Forest: Data to Intelligence

Jean Mallo, Intelligence analyst and visualisation specialist

12.15 close

London Borough Data Partnership Meeting

13th December 2016

Andrew Mobbs – London Fire Brigade **Using data to find those most at risk from fire**





Dying for data

LB Data Partnership, December 2016

LFB in numbers, 2016/17

102 fire stations + 1 river fire station

142 fire engines/pumps

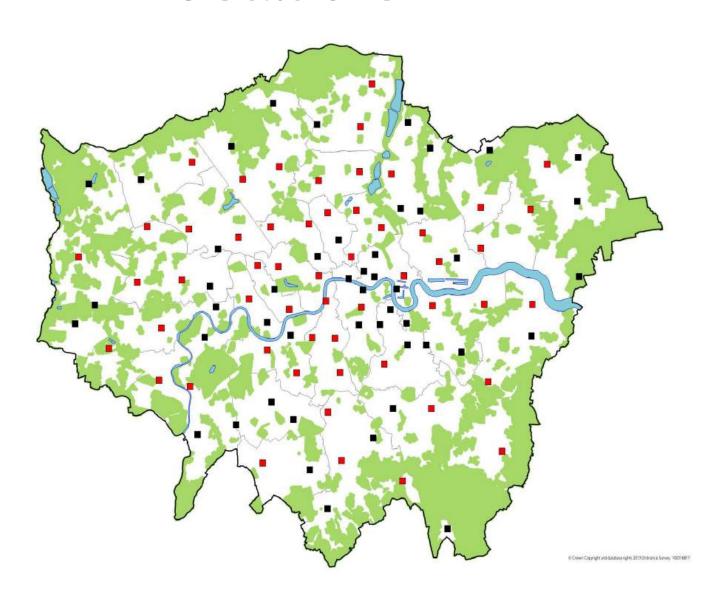
70 specialist vehicles (e.g. aerials)

5,000 operational / 800 back office staff

99,000 emergency incidents attended



LFB fire stations

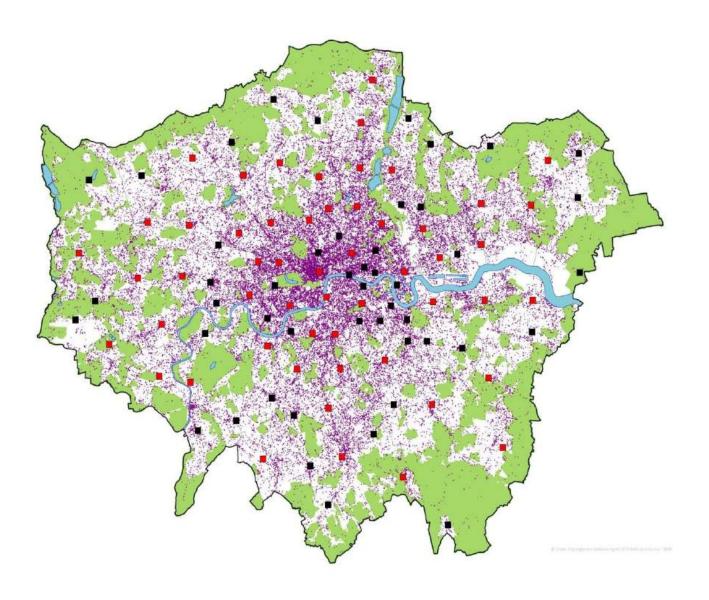


■ Two pump station

■ One pump station



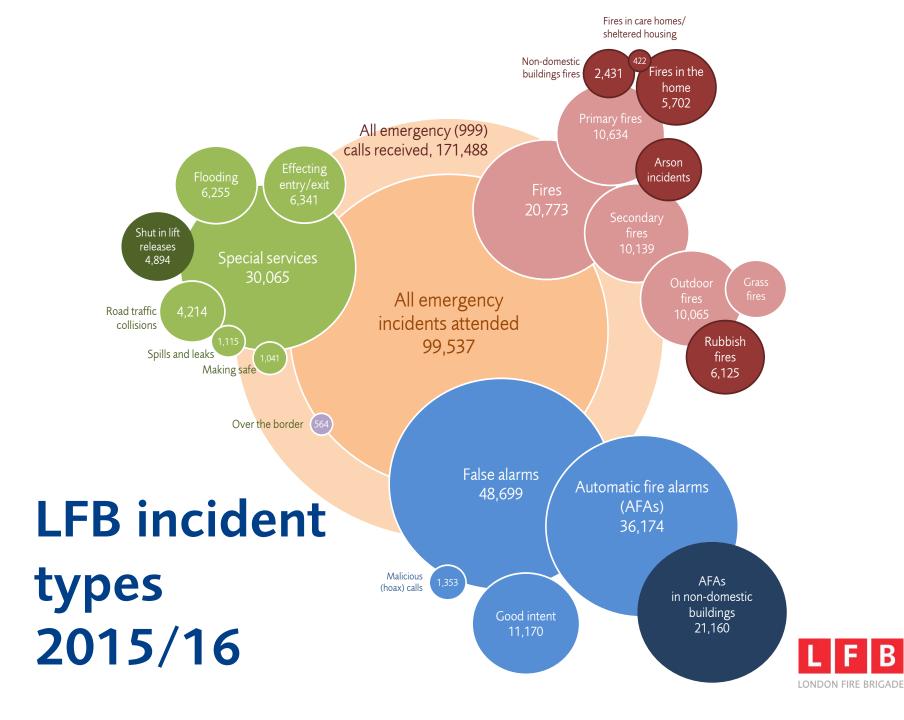
LFB incidents 2015/16



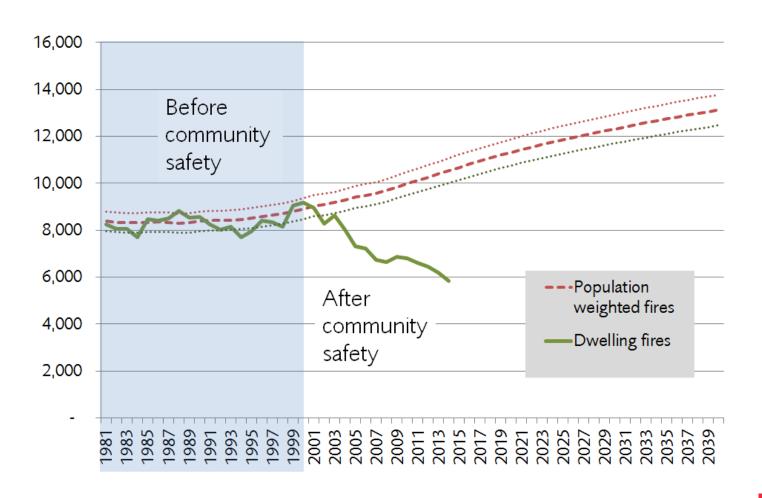
■ Two pump station

■ One pump station





Preventing fires in the home





Rate of fire death

per million resident population



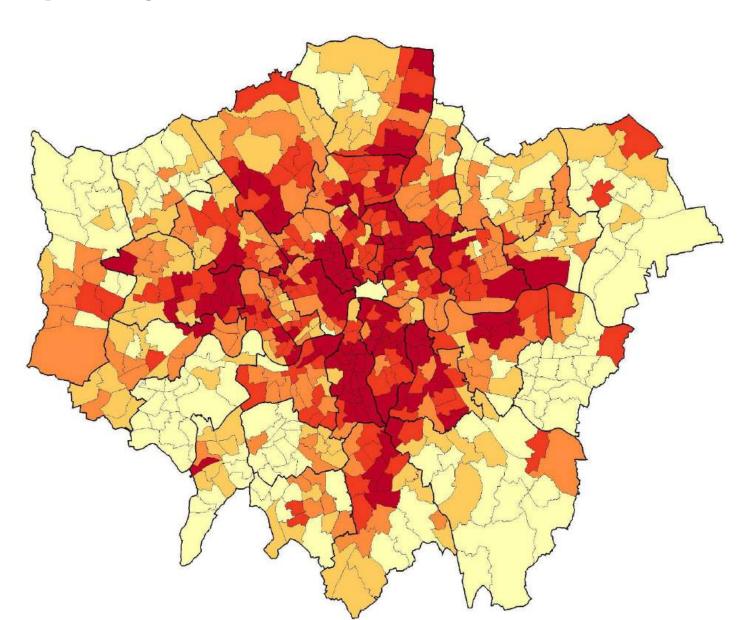


Our goals for identifying risk

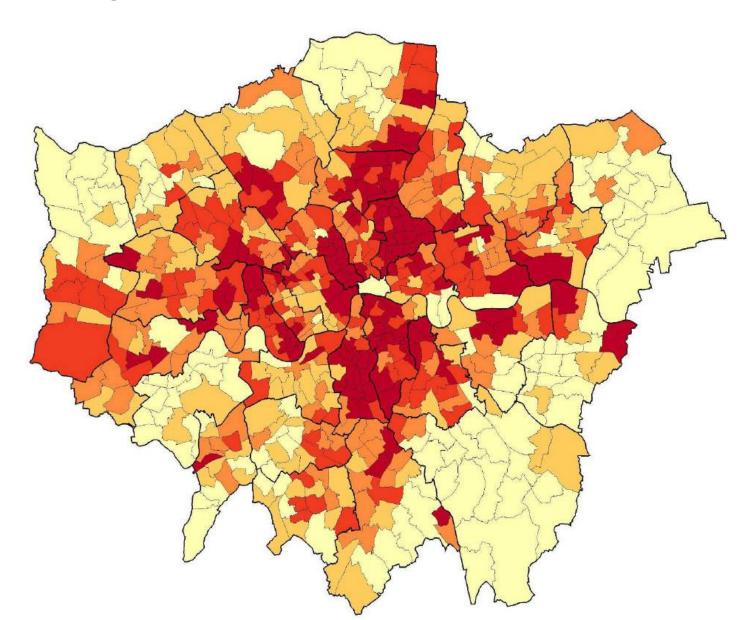
- Find a consistent method across London
- Recognise local areas of risk
- Need to be forward looking (ie not just where fires have happened before)
- Make it easier for referral generation "tell us where to go"



Target by number of fires...



... or by rate (per hh)?



... or what we know about London

- National Statistics 2001 Census
 - Demographics, dwelling types, health, transport
- Ordnance Survey
 - Geographic area, road types and length
- Indices of multiple deprivation
 - Income, employment, health, education, housing, crime, living environment
- Regulatory fire safety site inspections
- Home fire safety visits

















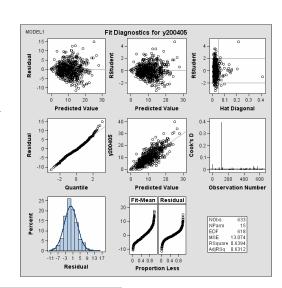
Using a statistical regression model

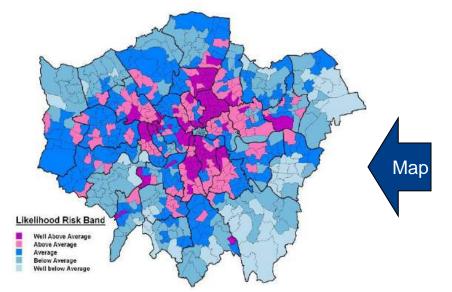
Over 50 factors modelled for 633 geographies



Multivariate Regression

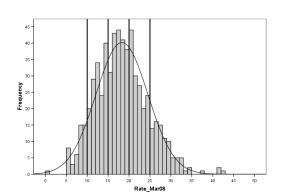
Finds the best combination of factors to explain the Incident Counts of London Wards

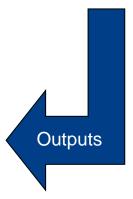




Incident Counts Forecasted

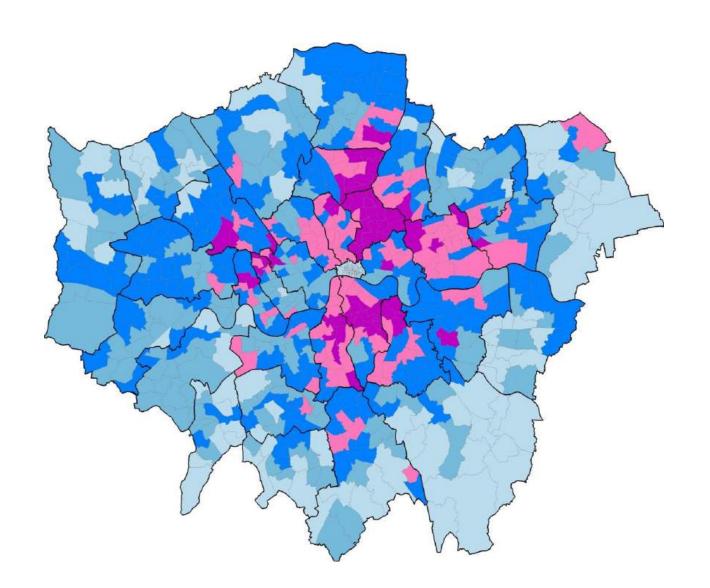
 $Likelihood = \underbrace{No \text{ of Incidents}}_{No \text{ of hh's}}$







Ward level model (649 wards)



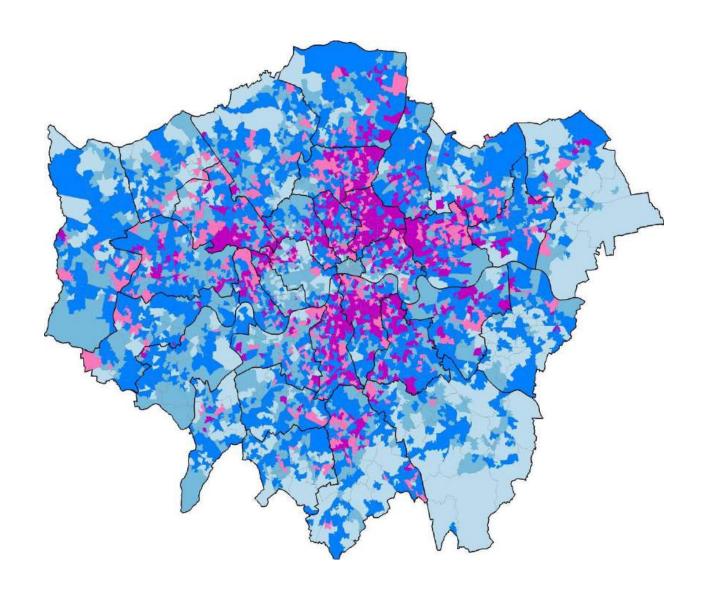


LSOA Level model (4,744 Isoa's)



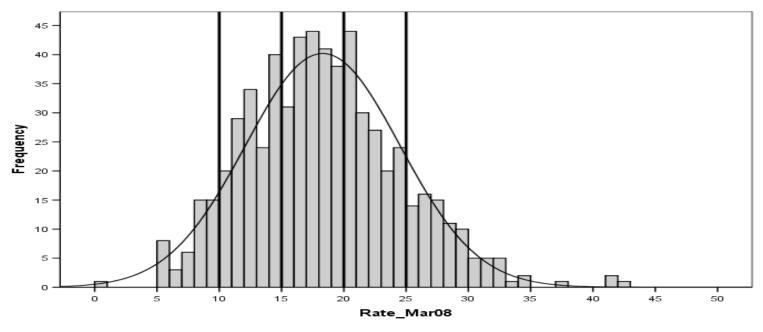


LSOA Level model (4,744 Isoa's)





Predicted fire rates



	Fires per 10,000 HH	1 fire per X HH (approx)		
Well above average	25 <	~<300		
Above average	20 < and ≤ 25	~400		
Average	15 < and ≤ 20	~500		
Below average	10 < and ≤ 15	~666		
Well below average	≤10	~1000 <		



But fires are started by people





Lifestyle profiling

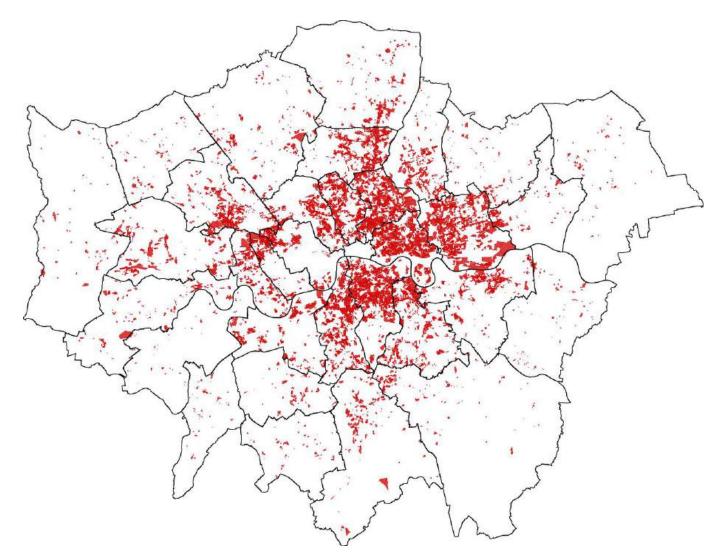




Mosaic 2011 - Groups

			# of	% of	% of	% of
(Group	Description	Homes	Homes	Fires (3y) su	ıalties (3y)
	Α	Residents of isolated rural communities	1,170	0%	0%	0%
	В	Residents of small and mid-sized towns with strong local roots	72,131	2%	1%	1%
	С	Wealthy people living in the most sought after neighbourhoods	228,145	7%	5%	4%
	D	Successful professionals living in suburban or semi-rural homes	34,800	1%	0%	0%
	Е	Middle income families living in moderate suburban semis	382,946	12%	8%	9%
	F	Couples with young children in comfortable modern housing	28 094	1%	0%	0%
	G	Young, well-educated city dwellers	1,020,303	31%	25%	24%
	Н	Couples and young singles in small modern starter homes	188,92 <i>7</i>	6%	5%	6%
	ı	Lower income workers in urban terraces in often diverse areas	458,907	14%	15%	16%
	J	Owner occupiers in older-style housing in ex-industrial areas	36,571	1%	1%	1%
	K	Residents with sufficient incomes in right-to-buy social housing	60,041	2%	1%	1%
		Active elderly people living in pleasant retirement locations	57 110	2%	1%	1%
	М	Elderly people reliant on state support	61,520	2%	4%	3%
	N	Young people renting flats in high density social housing	634,196	19%	31%	33%
	0	Families in low-rise social housing with high levels of benefit need	36,688	1%	1%	1%
		London	3,301,549	100%	100%	100%

Priority postcodes (P1)





... but still dying for data



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"I assisted the frail lady to her door and when we went in I was shocked at what I saw. She said that nobody had been inside her house for years as she didn't want to show anyone the mess. Please see the attached pictures. I don't think they do this justice of how bad it actually is!"



"...they do not cook so I have no idea what they eat.

He sits, on a pillow, on top of a shredding machine, for 24 hours a day. There is no access into any other rooms.

I have never seen anything like this in 19 years of service.

The couple receive no help whatsoever and Mrs [Westcott] is struggling to cope.."



Who is dying for data?

This is an older person aged over 65 who lives alone. Where they live, or the type of property, doesn't matter, however their home will be unsafe from the risks of fire and without adequate fire detection. They will have reduced mobility and find it hard to walk unaided. As such, they will spend most of their time in one room of their home and often this can become a bed/sitting room. This person is a smoker, uses candles or has other naked flames in their home.

Other than a reduced mobility, this person also has other health issues or is at risk of neglect. They may have an impaired judgement or become forgetful or disorientated; either through a health issue, or as a result of their medication or from drinking. There may be signs of previous fire 'near misses'; this could be cigarette burn marks on clothing or furnishing, or scorch marks from cooking or using candles. This person either receives, or would benefit from, some care and support (from a local authority, relative or friend, or other care provider).

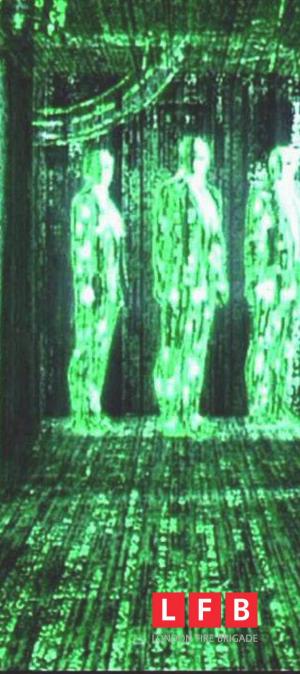
Somebody will know this person

This person has data



This person has data

- Older person
- Lives alone
- Mobility issues
- Other health issues
- Smoker / candles / cooking
- Previous near miss
- Receives or is in need of care



Finding people in data

- Older person
 - Exeter data | National Insurance | HMRC | +++
- Lives alone
 - Council tax | Electoral register | +++
- Mobility issues
 - Assisted bin collection | Meals on wheels | Disability allowance | +++
- Other health issues
 - NHS/GPs | +++
- Smoker / candles / cooking
- Previous near miss
- Receives or is in need of care



Finding people in data (2)

- Smoker / candles / cooking
 - ????
- Previous near miss
 - ????
- Receives or is in need of care
 - Carers data ????



Care Act 2014

The Care Act introduced a general duty on local authorities to promote an individual's 'wellbeing'.

"...requires that each local authority must: make enquiries, or cause others to do so, if it believes an adult is experiencing, or is at risk of, abuse or neglect. An enquiry should establish whether any action needs to be taken to prevent or stop abuse or neglect and if so, by who."



Care Act 2014 (2)

[Neglect] "... covers a wide range of behaviour neglecting to care for one's personal hygiene, health **or surroundings** and includes behaviour such as hoarding."

Within the local authority, prevention of care and support needs is closely aligned to other local authority responsibilities... Across the local landscape, the role of other bodies including ... the police, fire service, ... and others will also be important in developing a comprehensive approach.



Who is dying for data?

Do you have the data that, on its own or if combined, identifies someone who is at risk of fire death?

Do you have a duty to share that information with us?





London Borough Data Partnership Meeting

13th December 2016

Hilary Simpson – Nesta **London Office of Data Analytics Pilot**

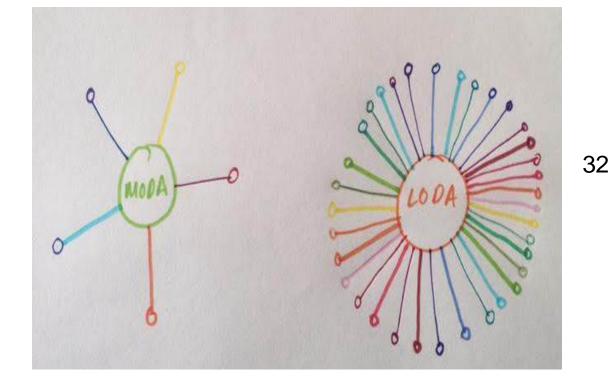
When and how to share personal data for public service reform -

Ethically, Legally, Responsibly

From MODA to LODA

Mayors Office for Data Analytics (New York) London Office for Data Analytics

To provide the best quality, fastest, most joined up, safest services for the public, at the lowest cost to the public purse.



5

Building Confidence

Sometimes this may involve personal data

Check here for Definitions Personal and Sensitive Data

<u>Definitions</u>

Must be Legal, Ethical, in the Public Interest

Start to make information sharing decisions routine

Risks of sharing versus not sharing

Minimise

If you can achieve the desired outcome by using non-personal or anonymised data then do so.

If you are not sure if it is personal data, check the definitions provided by the Information Commissioner's Office here: https://ico.org.uk/for-organisations/guide-to-data-protection/key-definitions/

Roles

It's the job of a **data controller** to make the judgement about sharing: balancing privacy risks against real world risks to citizens.

It's the job of lawyers to advise but not to make the decision.

It's the job of **leaders** be brave and support a change of culture around decision making and proportionate information sharing.

Risk Assessments and Legal Gateways

Sound, ethical, balanced, proportionate judgement is what public servants in local government are good at

Consider your duty to the public and citizens first

Use a Privacy Impact Assessment, which enables you to look at the pros and cons of sharing information in a balanced way. The ICO provides the following: Privacy Impact Assessment Guide

Here is a great resource to check for <u>Legal Gateways</u> for sharing

Progress on Pilot

The ASI (our data science team) have **developed a first iteration of a predictive model** to identify unlicensed HMOs, based on data supplied by Westminster. This means we are now ready for input from all other pilot boroughs.

With input from five pilot boroughs, we have drafted an **Information Sharing Protocol** for the pilot that is now ready for review and sign-off. The protocol is also complemented by a **Privacy Impact Assessment**.

We are currently working with a first wave of boroughs (Bexley, Camden, Islington, and Lambeth) to supply housing and environmental health data to the ASI and improve the model.

Next Steps

- We will be holding a meeting for all pilot boroughs on January 13
- Review and sign-off Information Sharing Protocol by January 31st to Nesta.
- The ASI is ready for data input from other boroughs...
- We are starting to design our testing and evaluation process.

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London Borough Data Partnership Meeting

13th December 2016

Vivienne Avery, GLA

London' Charity Sector Data: a hidden
gold mine?

London's Charity Sector Data: a hidden gold mine?

- 'The Way Ahead: Civil Society at the heart of London', April 2016
- 'To understand how civil society in the capital can best be supported in order to optimise its positive impact on Londoners'
- 2 recommendations relating to data
 - Share data on needs, policy developments and best practice
 - Strategic collation, analysis and provision of pan-London data



Data theme workshops

- data is valuable as key to industrating need, informing work, journing effort - will & technology exists, data probable exists but isn't centrally accessible - need to look at how we use & share data, from data held by funders through to fronthe organisations & groups - need to hamess other talents - e.g. Universities - need to be clear on what we want & why, ensuring we're not capturing meaningless donta



Role of GLA

- Making shared data available London Datastore
- Links with Boroughs
- Increased priority for 'Community Engagement'
- Relevant Intelligence Unit analysis projects

GLA Project areas

1. Children and Young People's needs

- Draw on crime analysis on vulnerable localities
- Projections of children's needs in future
- Map alongside existing service provision

2. Improving data on refugees and asylum seekers

- Little data from existing sources
- Working to improve this forthcoming Roundtable with key parties
- Refugee and asylum seeker organisations can provide a clearer picture
- Role of Boroughs?

3. Pan-London health projections

- Existing projections tend to be condition specific
- Doesn't support city planning
- Current work is fragmented by geography, method, data sources
- Hoping to work jointly with Boroughs, interested Civil Society organisations, and academia to agree a pan-London approach

London Borough Data Partnership Meeting

13th December 2016

Emma Prest, DataKind

London's Charity Sector Data: a hidden
gold mine?

London's Charity Sector Data: A Hidden Goldmine?

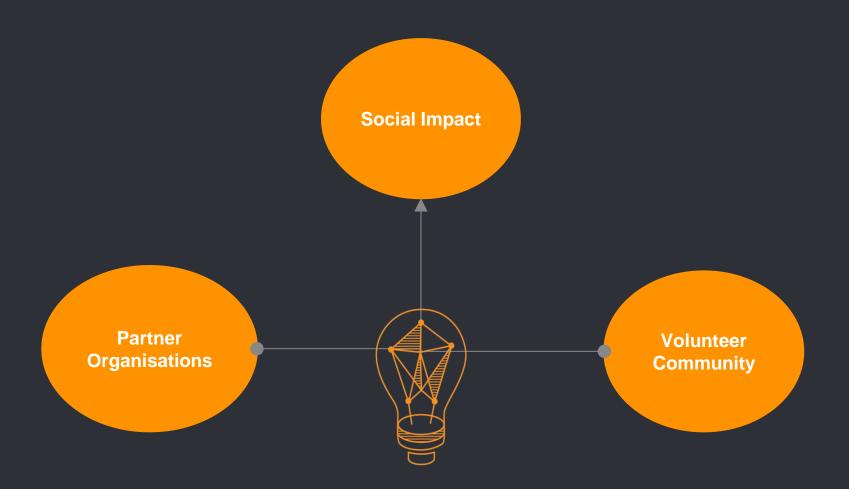
London Borough Data Partnership

Emma Prest
General Manager
DataKind UK





DKUK



DataKinduk



OUR EVENTS



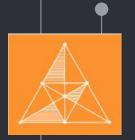
Meet ups

community get-togethers to provide data advice to partners



DataDives & DataJams

weekend events working with partners to provide insights into social problems



DataCorps projects

six-month in depth projects embedded with a partners to develop data products





WE ARE MACMILLAN.
CANCER SUPPORT



Prince's Trust





NORTH EAST



























Examples of how charities are using data

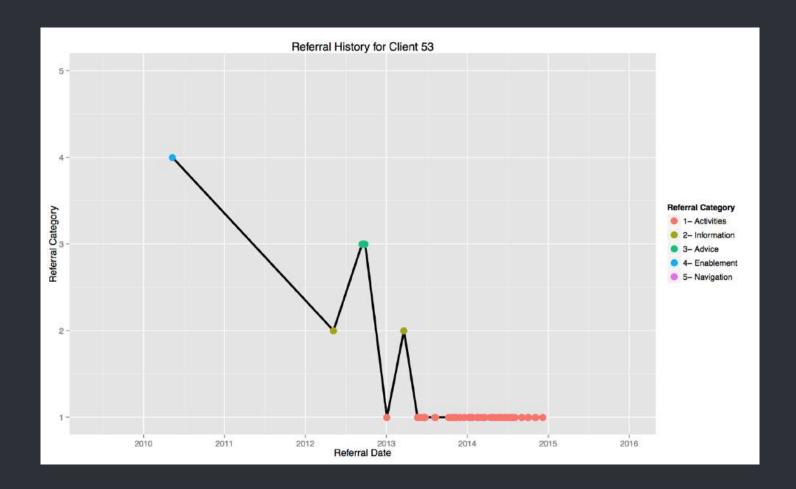


Evidencing need





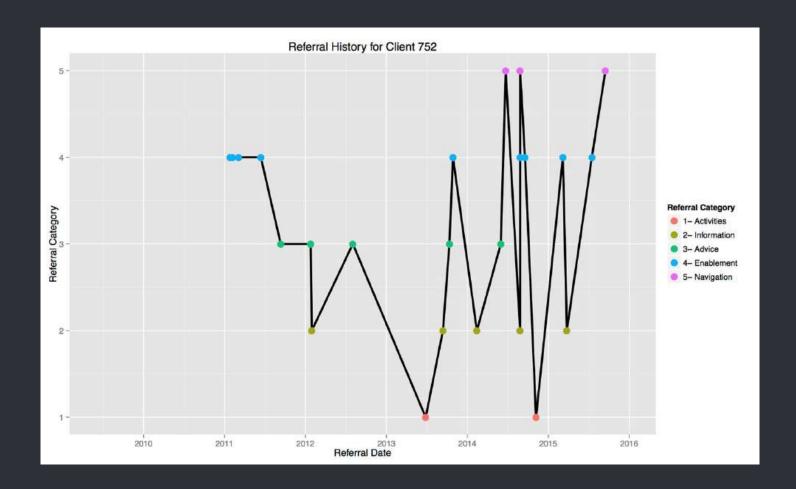
Improving products and services







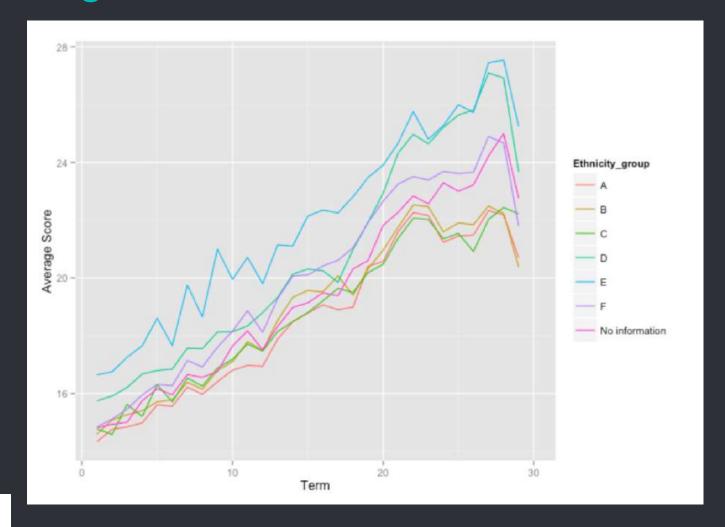
Improving products and services







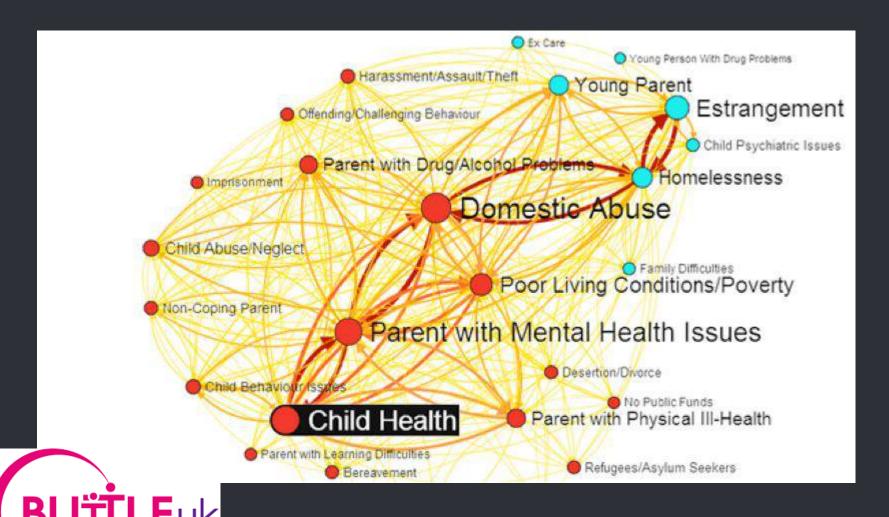
Predicting user needs + service outcomes





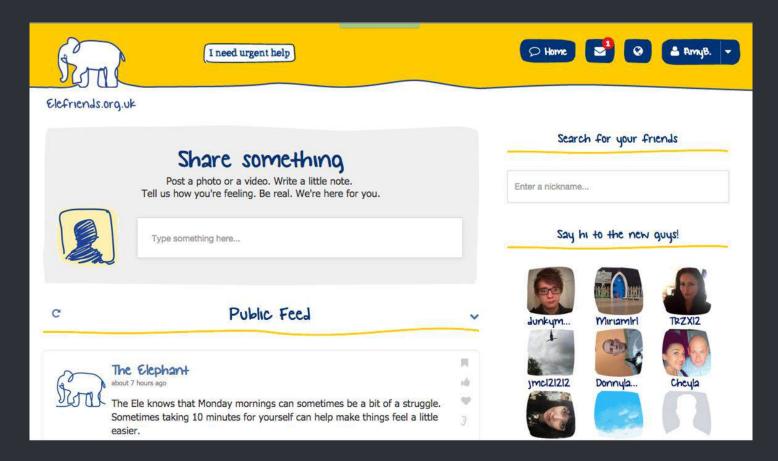


Strategic planning and decision making





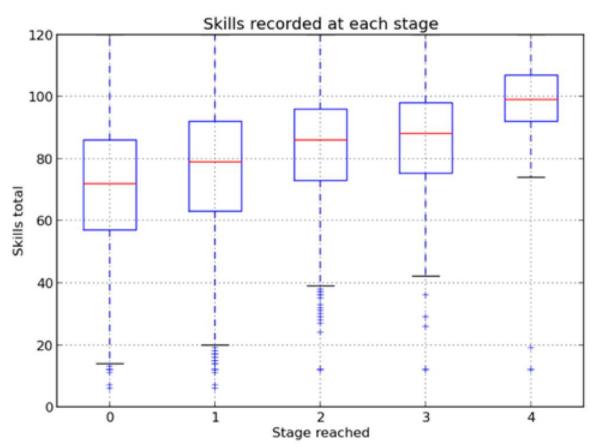
Improving efficiency







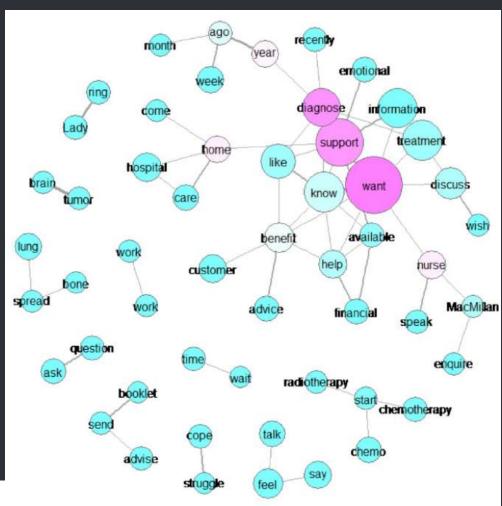
Better outcomes and impact







Patterns of need







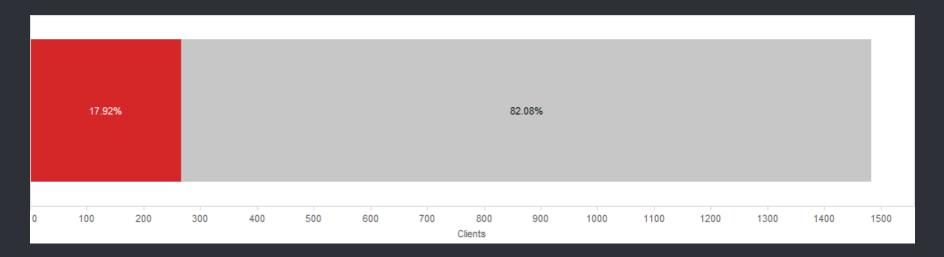
Better outcomes and impact

advice





Better outcomes and impact



18% of matched clients had an issue with employment support allowance.





Rough sleeping in London with the GLA, Chain and DWP









Rough sleeping in London with the GLA, Chain and DWP

Pathways into homelessness

Flow through services

Intermittent rough sleeping



Datakind.org.uk

emma@datakind.org.uk

@DataKindUK



London Borough Data Partnership Meeting

13th December 2016

Joel Marsden, GLA Economics New Labour Market Indicators

GLAECONOMICS

New labour market indicators for London

Exploiting data to plan ahead, and develop the skills that London's economy needs

Joel Marsden

Economist

GLA Economics

Intelligence Unit

Outline

1. Introduction

Policy priorities: skills devolution, area reviews and better LMI

2. LMI indicators on London Datastore

Hub / landing page for LMI users.

3. Forecasting and projections

- London's Economic Outlook (LEO)
- Long-term employment projections

4. Exploiting near real-time data

Burning Glass Technologies job adverts data, scrapped from >6,500 websites

The Mayor set out clear priorities on skills in his election manifesto

Lead a new skills agenda for London making sure businesses and Londoners get the skills they need to succeed.

- Establish a Skills for Londoners taskforce to develop a citywide strategic approach to skills
- Seek a devolution deal over further education
- Create thousands of new, high quality apprenticeships
- Setup a digital talent programme as part of a tech talent pipeline
- Establish a construction academy scheme with the housebuilding industry

Some of the main data sources used by GLA Economics:



http://www.ons.gov.uk

- · Regional GVA
- Migration Statistics
- · Labour market



https://www.nomisweb.co.uk

- Business Register and Employment Survey (BRES)
- Census
- ·Annual Population Survey (APS)/Labour Force Survey (LFS)
- Workforce Jobs
- ·Annual Survey of Hours and Earnings (ASHE)



https://www.gov.uk/government/statistics

- · Household Below Average Income (HBAI)
- ·Apprenticeships and further education (SFA data)
- DWP benefits
- · House price index



http://data.london.gov.uk

- ·London Business Survey
- Borough profiles
- · Historic Census tables
- •The London Datastore also acts as a portal to Londonfocused cuts of official statistics



http://ukdataservice.ac.uk/

- · APS/LFS microdata
- Living Costs and Food Survey
- Family Resources Survey



Various Economic forecasters

- Regional economic indicators
- · House price (Halifax, Nationwide, CML)
- Business activity (Experian, Markit Economics)
- Macroeconomic models (Cambridge Econometrics, Oxford Economics)

LONDON DATASTORE

http://data.london.gov.uk

Register an Account

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Apps & Analysis ▼ Developers -City Data Strategy -Blog Data ▼ Boroughs • More ▼ All Apps & Analysis / Labour Marke 2011 Census GLA Economics Team Labour Mark GLA Demography Team London's labour ma is page contains a wide range of London-focused, indicators of labour market demand, providing the most up-Elections Reports to-date coverage of ety of official survey statistics, administrative data and near real-time data, offering high quality information to support the effective eers advice that better meets London's economic demands. London Output Area Classification London Ward Well-Being Scores Jobs London Housing Market Report Workforce jobs Workforce jobs by s Skills Funding Agency Data Cube Employee jobs by se London Labour Market Indicators Jobs by occupation Jobs by age and ger London Employability Performance Rating London Business St Strategic Crime Analysis Medium term econo Long term labour market projections

Vacancies/ Skills needs

UK employer skills survey

Burning Glass: Job postings (Forthcoming)

Earnings (workplace)

Workers' earnings by Borough
Earnings by gender, and full-time/part-time
Earnings by industry and occupation

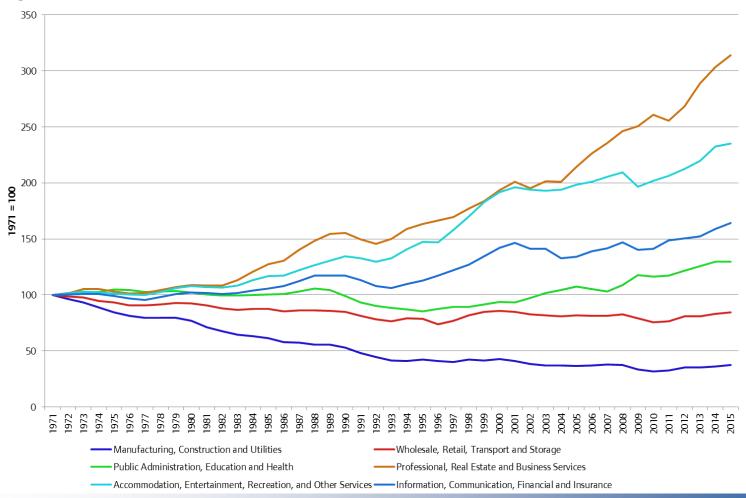
Gross value added and gross disposable household income

The Greater London Authority Economics team also provides expert analysis and guidance on London's labour market by examining recent developments. Our publications are available at: www.london.gov.uk/what-we-do/research-and-analysis/economy-and-employment/labour-market. For example, in May 2016, GLA Economics published a series of working papers set out the demand for jobs and skills to inform the Government's area reviews of post-16 education and training, covering four London sub-regions.

Other relevant indicators on the supply of labour in London are available on the Datastore at: https://data.london.gov.uk/labour-market-indicators/labour-supply/

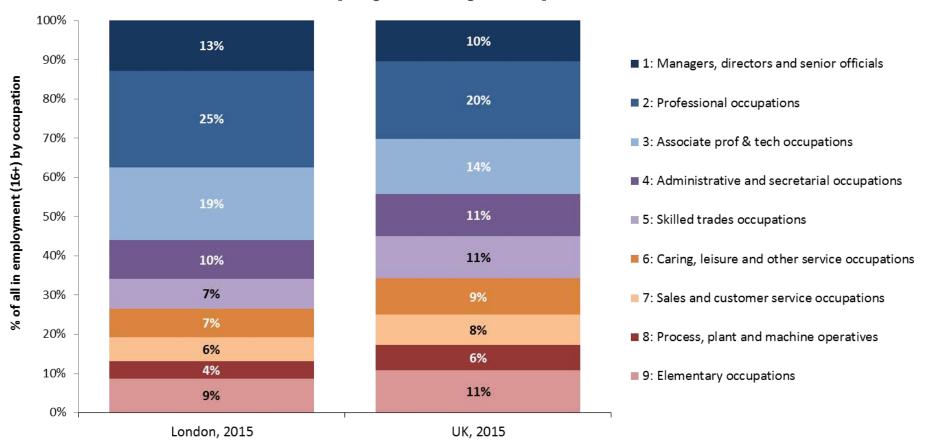
London has benefitted from trade and the structure of London's economy has changed

Jobs by broad sector in London, 1971 - 2015



... generating strong demand for highly skilled labour

Share of those in employment by occupation, %



Source: ONS Annual Population Survey - workplace analysis

LONDON DATASTORE

http://data.london.gov.uk

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Developers ▼

Boroughs *

City Data Strategy -

More ▼

Q

// Labour Market Indicators

Labour Market Indicators

London's labour markets and skills needs are constantly evolving. This page contains a wide range of London-focused, indicators of labour market demand, providing the most up-to-date coverage of important developments. It brings together a variety of official survey statistics, administrative data and near real-time data, offering high quality information to support the effective planning and delivery of skills provision, and careers advice that better meets London's economic demands.

Jobs

Workforce jobs

Workforce jobs by sector

Employee jobs by sector

Jobs by occupation and highest qualification

Jobs by age and gender

London Business Survey 2014 : Workforce

Medium term economic forecast

Long term labour market projections

Vacancies/ Skills needs

UK employer skills survey

Burning Glass: Job postings (Forthcoming)

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Forecasting and projections

GLAECONOMICS

London's Economic Outlook: Autumn 2016 The GLA's medium-term planning projections

November 2016



MAYOR OF LONDON

GLAECONOMICS

London labour market projections 2016



MAYOR OF LONDON

LONDON DATASTORE Register an Account http://data.london.gov.uk Blog Apps & Analysis ▼ Developers -City Data Strategy -Data ▼ Boroughs • More ▼ All Apps & Analysis / Labour Marke 2011 Census GLA Economics Team Labour Marl GLA Demography Team London's labour ma is page contains a wide range of London-focused, indicators of labour market demand, providing the most up-Elections Reports to-date coverage of ety of official survey statistics, administrative data and near real-time data, offering high quality information to support the effective eers advice that better meets London's economic demands. London Output Area Classification London Ward Well-Being Scores Jobs London Housing Market Report Workforce jobs Workforce jobs by s Skills Funding Agency Data Cube Employee jobs by se London Labour Market Indicators Jobs by occupation Jobs by age and ger London Employability Performance Rating London Business St Strategic Crime Analysis Medium term econo Long term labour market projections

Login 🏝

Vacancies/ Skills needs

UK employer skills survey

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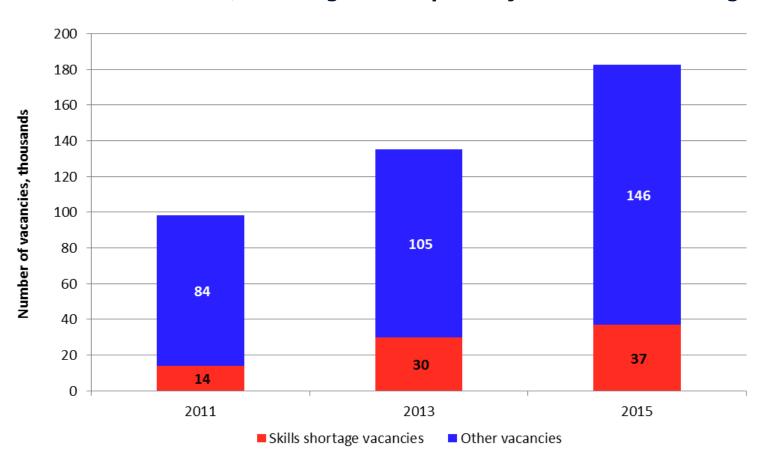
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Ensuring the capital's workers are suitably skilled is vital for London's continued development

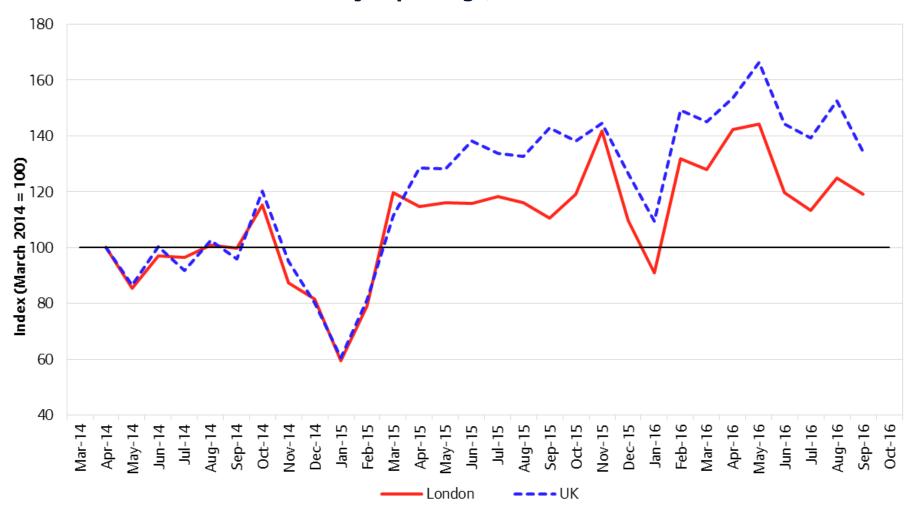
Number of vacancies, including those reportedly due to skills shortages



Source: UKCES Employer Skills Survey

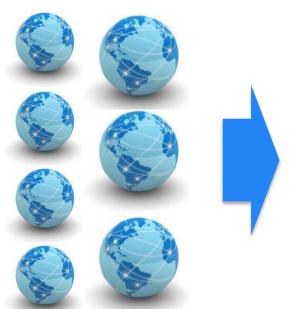
Real-time job postings data has potential to provide a wealth of new information

Index of online job postings, London and the UK

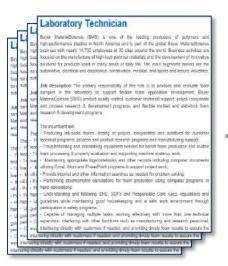


Real-time job market data offers up-to-date insights not possible through traditional sources

Visit online job sites



Collect & deduplicate job postings



Read postings to generate detailed data

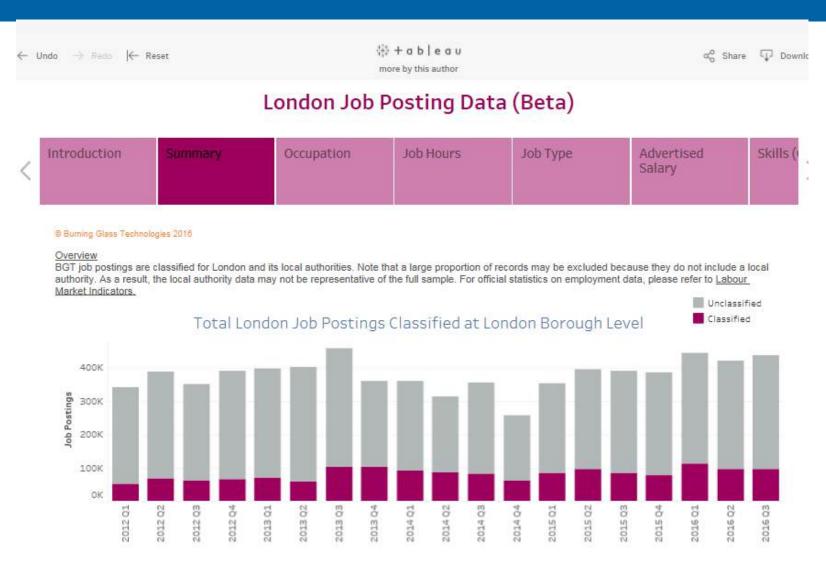
- Job Title & Occupation
- Technical Skills
- Generic Skills
- Education / Experience requirements
- Salaries
- Employer / Industry
- Apprenticeships
- Location



About the BGT data

- Procured in Summer 2016
- Job postings data pilot to run from January to mid-2017
- Open data to include:
 - By London local authority (LA)
 - Occupations (SOC-1, SOC-2 and SOC-3 at London level)
 - Full-time and part-time status, London and LA
 - Permanent or temporary contract, and apprenticeships
 - Advertised salary: average by occupation and LA
 - Rank of detailed skills: generic/baseline and technical/specialised
 - Historic quarterly time series from 2012 to the latest period.
- Potential to offer the data longer-term, subject to demand and support from our users?

Demo time – fingers crossed!



Source: Burning Glass Technologies (BGT), job postings data

Useful links

GLA Economics

https://www.london.gov.uk/what-we-do/research-and-analysis/economy-and-employment

London Datastore – LMI

http://data.london.gov.uk/labour-market-indicators

London Datastore – BGT Job postings (in development)

http://data.london.gov.uk/job-postings

Join our mailing list

https://www.london.gov.uk/what-we-do/research-and-analysis/join-our-mailing-list-research-and-analysis

About GLA Economics

- A team of twelve economists, providing expertise on London's economy, with sub-teams focussing on:
 - Macroeconomics
 - Labour Market
 - Appraisal and Evaluation
- GLA Economics is part of the wider GLA Intelligence Unit, which have individual teams focussing on:
 - Demography and Policy Analysis
 - Opinion Research and Consultation
 - Geographic Information Systems (GIS)
- The Intelligence Unit is also home to London Datastore, providing a wide range of statistics on London's economy

London Borough Data Partnership Meeting

13th December 2016

Ellis Turner, Environmental Health Manager London Borough Islington: Health Mapping



Health mapping pilot

Ellis Turner
Environmental Health Manager



Using data to inform proactive interventions

- Street surveys
 - deprivation indices
 - housing benefit data
 - electoral roll + council tax + land registry
- EPC data base







Mapping Health Toolkit

Helping local councils and Environmental Health Officers respond to the new public health agenda



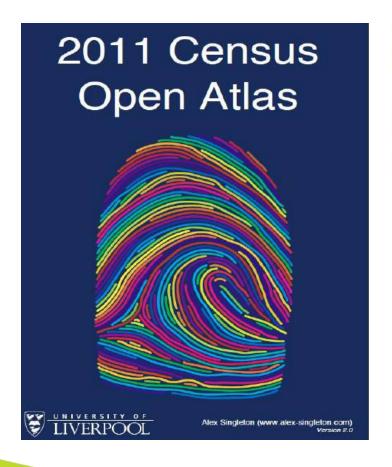
Local heath profile



England						
t/ st	Range	Best/ Highest				
.0	O	6.7				
1.2	Q	2.9				
1.5		3.8				
.5		5.4				
.9	<u> </u>	1.8				
.7		3.3				
.8		6.6				
0.1		0.0				
1.5		29.9				
.6		40.1				
1.8		18.8				



Methodology





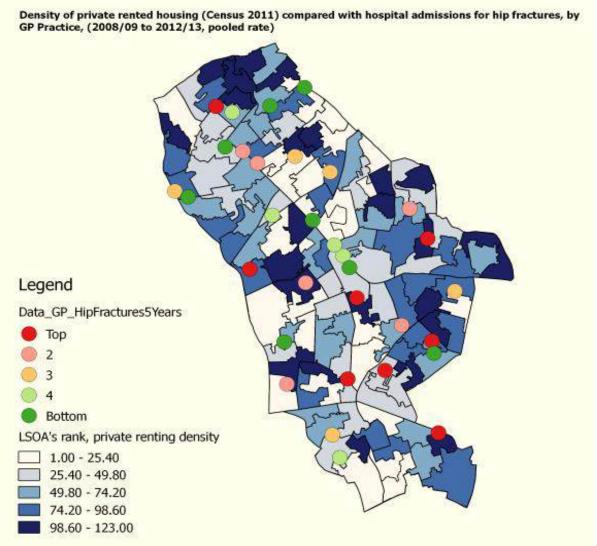








Result



Reflections

Visual medium - predictive tool



- Relationships with data casual or explicit?
- Future and other applications
- Appetite for partnerships formal + informal
- Shared language common goals

London Borough Data Partnership Meeting

13th December 2016

Jean Mallo, Intelligence analyst and visualisation specialist

London Borough Waltham Forest: Data to Intelligence

Waltham Forest Council

Data to Intelligence Project London Boroughs of Waltham Forest & Hackney and OfSTED

Jean Mallo – Intelligence Analyst & Visualisation Specialist

13th December 2016





Data to Intelligence project

- A one year collaborative intelligence project between Waltham Forest and Hackney local authorities and OfSTED.
- Improving performance management within local authorities by innovating the way we use existing data, with a focus on improving the way that we communicate the messages within large and complex datasets.





Four initial project objectives

- 1. Build a universal child-level data tool
- 2. Develop templates and embed highly visual dashboards
- Explore methods to streamline performance management
- 4. Work collaboratively with other organisations, e.g. DfE





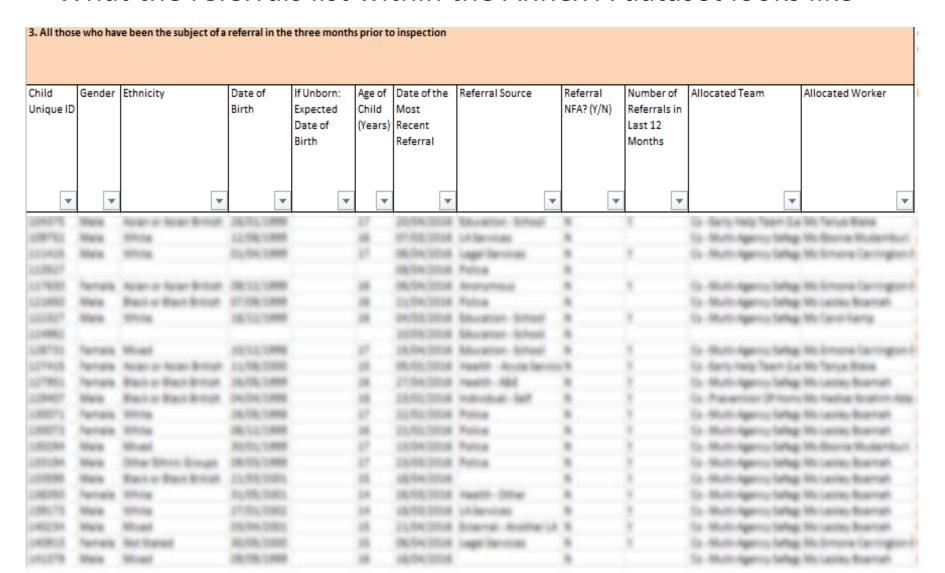
1) Child-level data tool

- Bring together data already collected by LAs (Annex A) with statistics published nationally. Highly visual presentation of information that tells the story of the LA's current position alongside the published annual statistics.
- Will be made available to all local authorities and could support areas of work, including the single inspection framework (SIF), monitoring visits, SIF re-inspection, and joint targeted area inspections, as well as LA performance management generally.





What the referrals list within the Annex A dataset looks like



What the referral statistics within the Children in Need Statistical First Release looks like

Table C1: Number of referrals¹, referrals within 12 months of a previous referral and the number of referrals which resulted in no further action, in the year ending 31 March 2016, by local authority

Year: 2015-16 Coverage: England

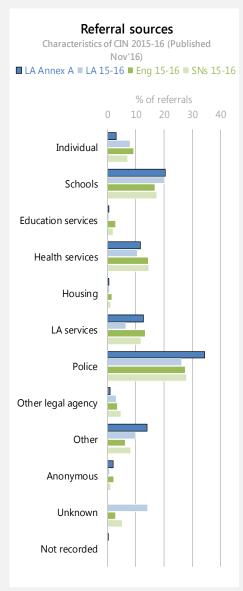
Statistics: children in need and child protection

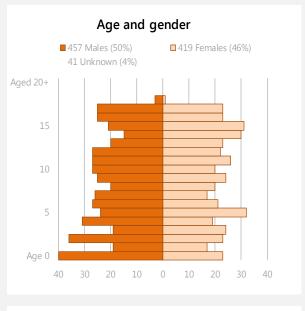
	Refe	Referrals Referrals which:						
		Rate per 10,000 of children aged	Were within 12 months of a previous referral		Resulted in no further action		Resulted in an assessment and the child was assessed not to be in need in the year	
Local authority	Number	under 18 years	Number	Percentage	Number	Percentage	Number	Percentage
Inner London ²	38,800	540.7	5,640	14.5	5,740	14.8	4,820	12.4
202 Camden	1,872	407.1	243	13.0	122	6.5	419	22.4
201 City of London	57	522.9	0	0.0	×	×	24	42.1
204 Hackney	3,543	578.6	471	13.3	0	0.0	178	5.0
205 Hammersmith and Fulham	1,683	491.4	231	13.7	29	1.7	184	10.9
309 Haringey	3,273	538.5	501	15.3	1,304	39.8	666	20.3
206 Islington	2,502	623.1	301	12.0	186	7.4	117	4.7
207 Kensington and Chelsea	2,363	834.1	563	23.8	1,012	42.8	0	0.0
208 Lambeth	2,873	456.7	466	16.2	297	10.3	959	33.4
209 Lewisham	2,810	416.0	387	13.8	89	3.2	130	4.6
316 Newham	5,962	711.2	902	15.1	722	12.1	1,752	29.4
210 Southwark	4,196	666.5	614	14.6	1,050	25.0	257	6.1
211 Tower Hamlets	3,333	512.8	292	8.8	380	11.4	119	3.6
212 Wandsworth	2,679	439.6	504	18.8	265	9.9	×	×
213 Westminster	1,655	388.4	164	9.9	278	16.8	9	0.5
Outer London ²	57,150	462.6	9,730	17.0	2,860	5.0	12,960	22.7
301 Barking and Dagenham	3,255	539.1	530	16.3	418	12.8	142	4.4
302 Barnet	3,482	392.0	750	21.5	0	0.0	648	18.6
303 Bexley	3,049	544.7	631	20.7	126	4.1	1,465	48.0
304 Brent	2 390	318,6	194	81	16	0.7	143	60
INDEX A1 A2 A3 A4	A5 / B1 / B2	/ B3 / B4 / B5	B6 C1 C	2 / C3 / C4 /	C5 D1 D2 D3	D4 / D5 / D6 /	D7 / D8 / ANNEX /	ALL / Sheet1 / 🤻

An example of what the referrals dashboard in the child-level data tool looks like...

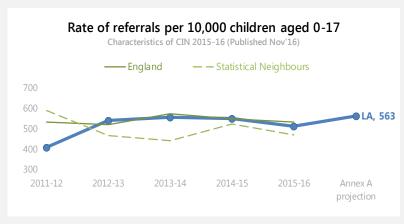


917 referrals



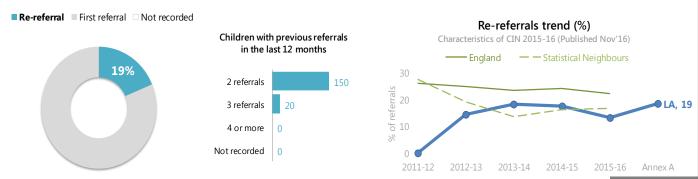










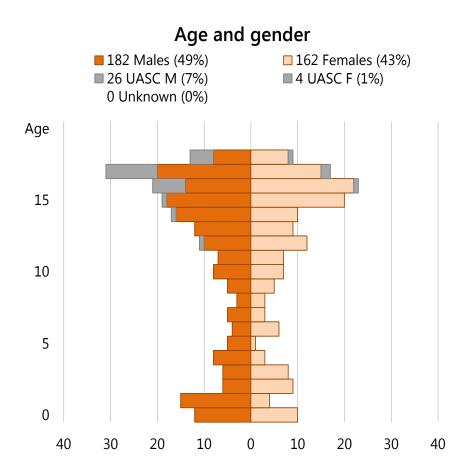


Age & Gender of Children Looked After (CLA)

highlighting Unaccompanied Asylum Seeking Children (UASC)

2011-12

2012-13



Rate of CLA (snapshot) per 10,000 children CLA in England inc Adoption 2015-16 (Published Sep'16) ----- England Statistical Neighbours 2012-13 2013-14 2011-12 2014-15 2015-16 Annex A Unaccompanied Asylum Seeking Children as a percentage of CLA CLA in England inc Adoption 2014-15 (Published Dec'15) England Statistical Neighbours 20 10

2013-14

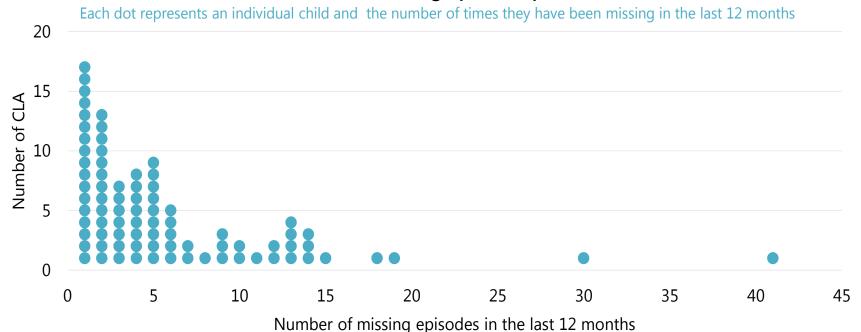
2014-15

Annex A

Highlighting individual children who stand out

E.g. number of incidents child was missing from home or placement

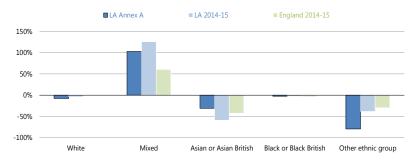
Number of missing episodes per CLA



Ethnic breakdown of CPP vs School pupils

showing % difference between those subject of a plan and those children attending the LA's primary / secondary schools





Children Looked After: Percentage difference between CLA and school pupils Jan-2016 School Census (published Jun-2016). Ofsted Data Tool (published Apr 16)

150%

150%

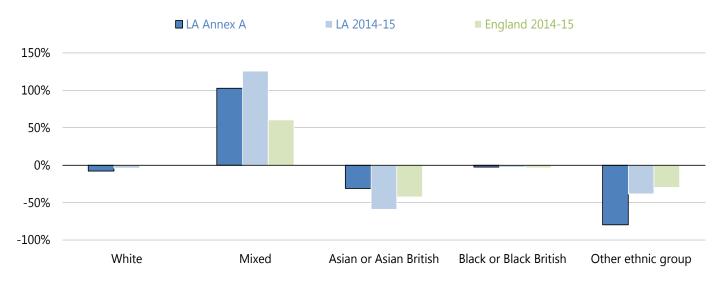
100%

-50%

White Mixed Asian or Asian British Black or Black British Other ethnic group

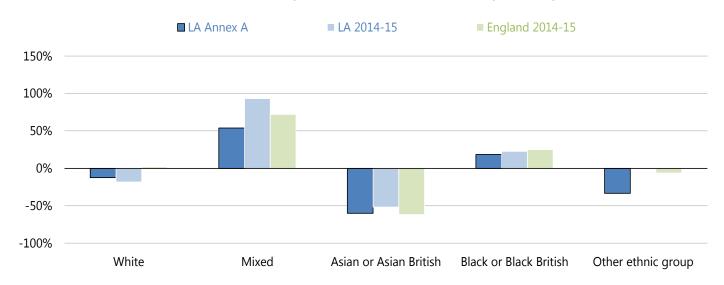
Children Protection Plans: Percentage difference between CPP and school pupils

Jan-2016 School Census (published Jun-2016), Ofsted Data Tool (published Apr'16)



Children Looked After: Percentage difference between CLA and school pupils

Jan-2016 School Census (published Jun-2016), Ofsted Data Tool (published Apr'16)



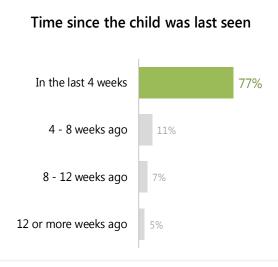
2) Highly visual dashboards

- Stephen Few: innovator of business intelligence. Focuses on practical uses of data visualisation to explore, analyse, and present quantitative business information.
- Choosing the best visualisation for effectiveness & simplicity
- Performance on a page / at a glance
- Separate 'signals' from the 'noise' (focus on what

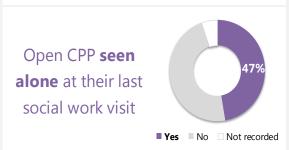


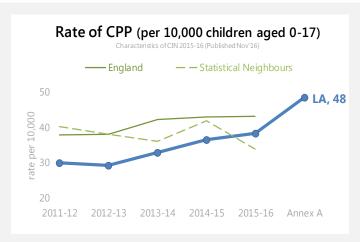


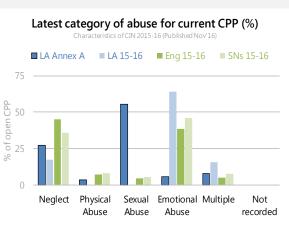
315 children currently subject of a Child Protection Plan (CPP)



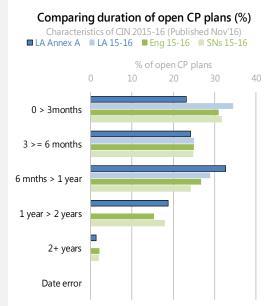


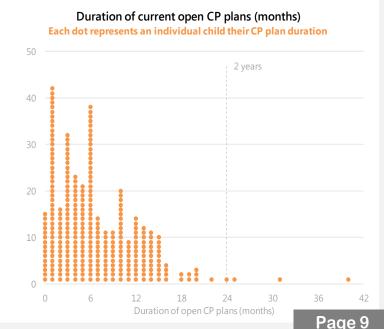






4 children (1%) have been subject of a CP plan for a duration of 2 or more years





3) Streamline performance management

- Develop a performance model to make performance management more efficient – proportionate, easily understood and scalable.
- Enable leadership teams to quickly and easily understand the current performance of a service from a succinct set of performance measures. Where a key set of measures ('Lead' indicators) reflect and represent the performance of a wider range of measures and metrics with which they have an intrinsic relationship (the 'Herd').





3) Streamline performance management (continued)

Persistent absentees

'Lead' indicator

Emotion al well-being

Education

Crime

SDQ scores 5A*-C grades at GCSEs In Education, Employme nt, or Training (EET)

Cautions or conviction s

Reoffending First time entrants

'Herd'

4) Working with other organisations

- Use and analyse existing data in new and innovative ways, such as annual child level data returns submitted to the Department for Education by all local authorities.
- How do LAs currently use data, and how could it be used better.
- Explore trends and patterns, lead & herd, early warning signs.





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