



The changing face of
Londoners

We are the Youth of
Today

WITH PARTNERSHIP FOR YOUNG LONDON





Our mission is to help London's small charities and community groups unlock the value of data

www.datawise.london

DISCOVER. LEARN. ANALYSE. SHAPE. REPEAT

#DatawiseLondon





COALITION
— FOR EFFICIENCY —

Makerble

DataKindUK

The logo for 'hear' features a dotted purple circle above the word 'hear' in a bold, lowercase, purple sans-serif font.

hear
humanity. equality. rights.

london plus





Access resources and 1:1 support via www.datwise.london

See training available [on our Eventbrite page](#)

Sign up to our monthly eNews at www.superhighways.org.uk/e-news



Data Talks : Open Data

**We are the
Youth of Today**

**Life in London
for Generation Z**

Partnership
for Young
London



**CURATING
LONDON**



Supported using public funding by
**ARTS COUNCIL
ENGLAND**



Excel exercise – Creating a workable data set

- Make the data into a table & name the table (Insert tab – Table)
- Give each row a unique ref number & name column this column Ref (Home tab – Fill Series)
- Change the numbers in the ‘Spaces’ columns into text using Find & Replace (Home tab - Find & Select – Replace) :

1= 1 Never

2 = 2 Not very often

3 = 3 Sometimes

4= 4 Often

5 = 5 Very Often



Excel exercise – Creating a Pivot table

- Create a pivot table from the Cultural spaces data (Insert tab – Pivot table)

Row=over/under18

Column=Cultural spaces

Value = Ref (change from Sum to Count)

- Remove the blanks and missing values from over/under 18 using the Row filter



Excel exercise – a closer look at the data

- Add another pivot table with the same parameters
- Turn the numbers into percentages (Field values- Show values as - % of row total. Cell format – no decimal places)
- Remove the blanks/missing from over/under 18 using the filter
- Insert a slicer for Borough linking the 2 pivot tables (Insert tab – Slicer)



Excel exercise - Creating visuals

- Insert a Clustered column pivot chart based on the first pivot table (Pivot Table Analyse tab – Tools group - Pivot chart)
- Create a Stacked column chart based on the second pivot
- Test the slicer on them



Mapping data – first create the below pivot table

- We're going to map data for the highest option - 5

	A	B	C	D	E	F	G
Count of Ref	Column Labels						Grand Total
Row Labels	1	2	3	4	5	Grand Total	
Barking and Dagengam	2%	0%	15%	22%	61%	100%	
Barnet	0%	4%	11%	26%	58%	100%	
Bexley	0%	0%	13%	28%	60%	100%	
Brent	1%	1%	5%	21%	72%	100%	
Bromley	0%	4%	10%	27%	58%	100%	
Camden	2%	2%	5%	36%	55%	100%	
Croydon	1%	1%	3%	28%	66%	100%	
Ealing	0%	3%	15%	23%	59%	100%	
Enfield	0%	2%	4%	31%	63%	100%	
Greenwich	0%	3%	7%	22%	69%	100%	
Hackney	0%	6%	21%	26%	47%	100%	
Hammersmith and Fulham	0%	6%	11%	32%	52%	100%	
Haringey	1%	5%	8%	24%	61%	100%	
Harrow	0%	0%	16%	33%	51%	100%	
Havering	0%	0%	11%	21%	68%	100%	
Hillingdon	2%	5%	5%	27%	62%	100%	
Hounslow	0%	2%	7%	25%	67%	100%	
Islington	0%	6%	14%	29%	51%	100%	

PivotTable Fields

Choose fields to add to report:

Search

Education as an issue (Scale: 1 not at all important, 2 ...

Housing as an issue (Scale: 1 not at all important, 2 n...

Safety and the police as an issue (Scale: 1 not ...

Mental and physical health as an issue (Scale: 1 not at...

Air pollution and the environment as an issue (Scale: ...

Having your voice heard as an issue (Scale: 1 not at al...

Issues that concern you

Which Mental Health Issue Matter to you

How optimistic are you that the issues facing young ...

Green spaces and parks (Scale: 1 never, 2 not very oft...

Youth clubs (Scale: 1 never, 2 not very often, 3 somet...

Shopping centres (Scale: 1 never, 2 not very often, 3 ...

Sports venues (Scale: 1 never, 2 not very often, 3 so...

Arts spaces (galleries, theatre) (Scale: 1 never, 2 not v...

Cultural spaces (museums, historic sites) (Scale: 1 nev...

Other Spaces

Drag fields between areas below:

FILTERS

ROWS

London Borough

COLUMNS

Safety and the polic...

VALUES

Count of Ref

Download the borough mapping template

- Go to the London Data Store's [Excel Mapping Template](#)
- Download the Map for quantitative data



Excel Mapping Template for London Boroughs and Wards

Greater London Authority (GLA)

Data

Created 6 years ago, updated 7 months ago

A free mapping tool that allows you to create a thematic map of London without any specialist GIS skills or software - all you need is Microsoft Excel. Templates are available for London's Boroughs and Wards. Full instructions are contained within the spreadsheets.

Borough maps

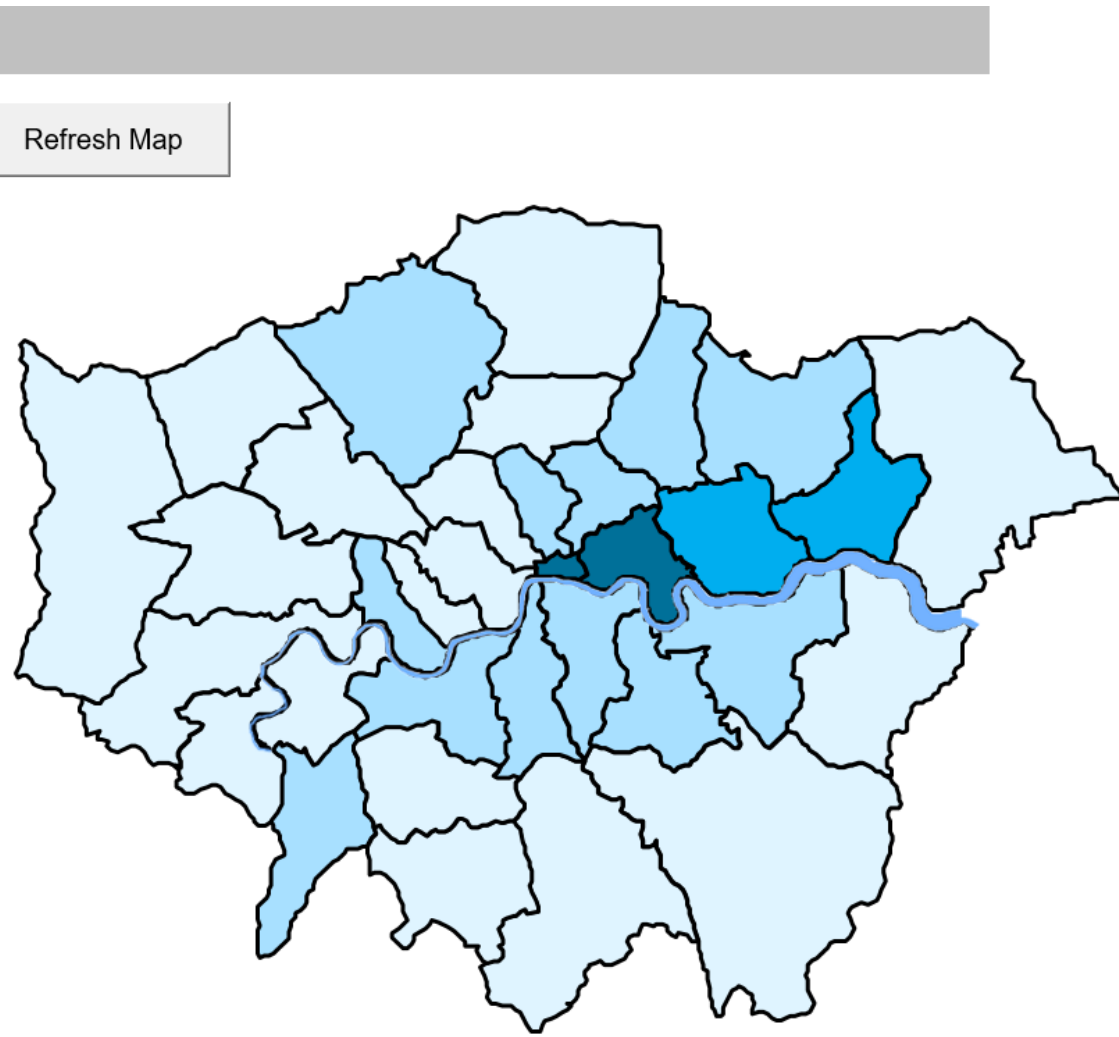
- [Map for quantitative data](#)
- [Map for categorical data](#)
- [Cartogram that uses squares to represent London Boroughs](#)



Adding your % data to the map

- Enable editing and Enable macros
- Now delete the values in the column next to the Borough list
- Now paste in the percentage values for Safety from your spreadsheet (Be mindful of City of London)

Boroughs	Values
City of London	43.2
Barking and Dagenham	32.0
Barnet	19.3
Bexley	9.1
Brent	16.9
Bromley	9.6
Camden	15.8
Croydon	15.9
Ealing	16.2
Enfield	11.9
Greenwich	24.3
Hackney	22.8
Hammersmith and Fulham	21.8
Haringey	16.5
Harrow	13.8
Havering	16.4
Hillingdon	9.2
Hounslow	16.4
Islington	20.3
Kensington and Chelsea	13.0
Kingston upon Thames	17.2
Lambeth	21.3
Lewisham	18.6
Merton	10.4
Newham	27.0
Redbridge	19.3
Richmond upon Thames	8.2
Southwark	22.8



Adjusting your map

- Darker shades represent boroughs where young people had higher concerns about safety and the police
- Change the number of Ranges to 5
- Adjust the Legend ranges & colours if you need to
- Drag the Borough labels over the map



Refresh Map



To use different colours to the default ones, find the RGB colours you want, and enter them into the cell grid starting with the first colour in the first column.

Note: The map will only update when the data in column 1 is updated when Refresh Map button is clicked

The low/high threshold ranges will be rounded depending on the numbers being mapped, but the user may need to adjust the number of decimal places being displayed in the legend.

If an area has missing data type **any text** into its cell in column 1 - (do not enter a number, or leave it blank)

Tip: Copy and paste the map into Word, and copy and paste the legend into Word, selecting 'Picture'

Choose 4 or 5

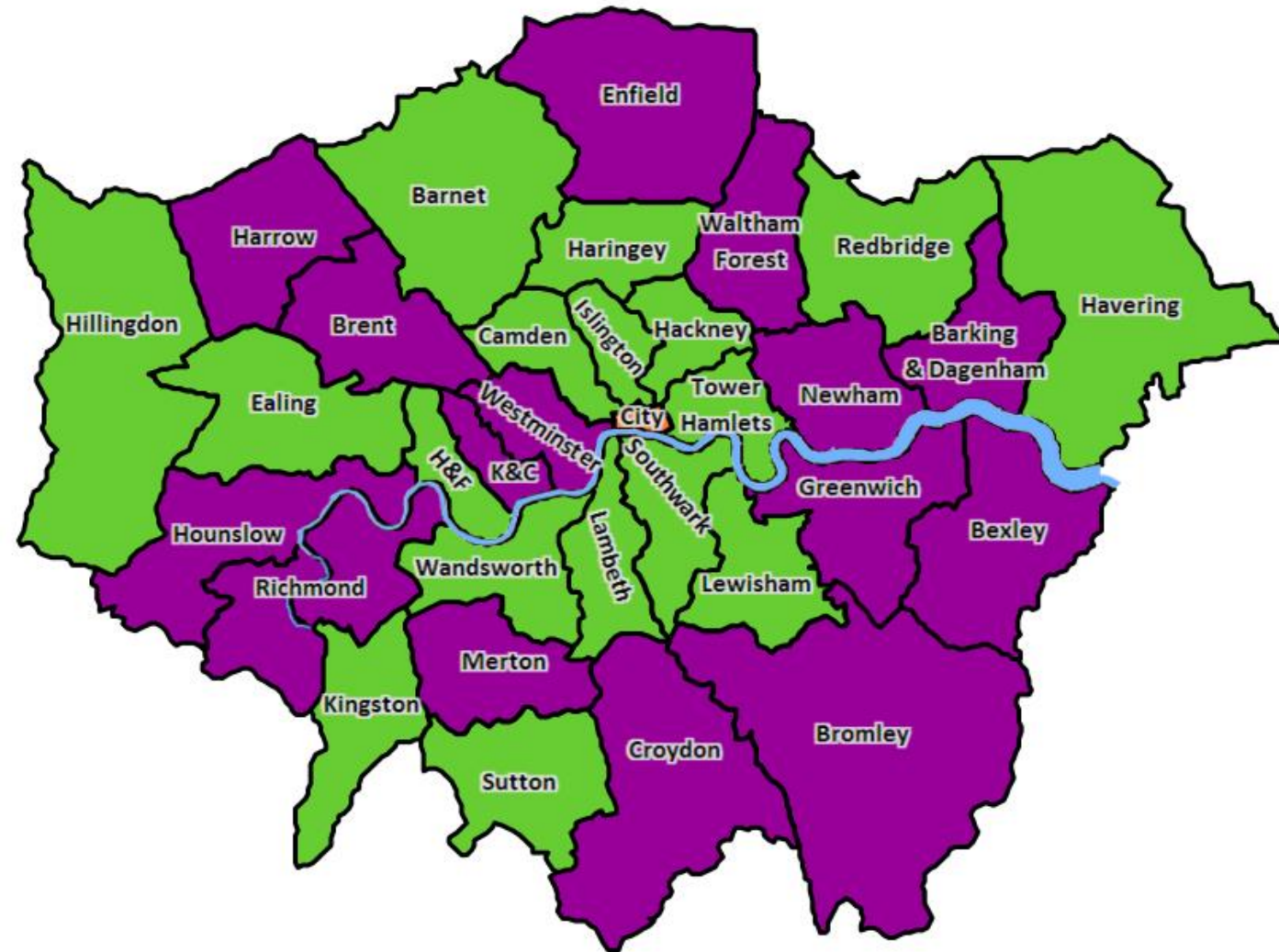
Number of Ranges

Legend



Equal ranges	Low (\geq)	< High	Occurrences
1	0.5	0.5	(4)
2	0.5	0.6	(9)
3	0.6	0.6	(9)
4	0.6	0.7	(7)
5	0.7	0.7	(4)
			(33)

Using the map for categorical data

- [Download the mapping template](#)
- Add categorical values for your borough.
- Here we've added the top issues most affecting young people's mental health by borough



Legend

	Category	Occurrences	
1	Education	(15)	
2	Employment	(17)	
3	Physical Health	(1)	