



<http://digitalnomad.ie>

**May need to use a non-UCD Google
Account with Fusion Tables**



Google Tools for Discovery, Analysis and Presentation of Digital Scholarship

Embracing Quirky Distractions and Going Hands-On

Shawn Day - 5 October 2017



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Objectives

- Appreciate some select scholarly Google Tools;
- Discover a tool or two that you hadn't been aware of;
- Identify a way or two that you may not have considered using tools that you already were aware of;
- Most of all : Inspire and Imagine.
- We are looking at: Open Refine and Google Fusion Tables
- <http://digitalnomad.ie/google-tools/>

Disclaimer

- I am not actually a shill for Google;
 - I generally prefer and advocate Open Source Tools;
 - But I also use the best tool for the task at hand.
-
- **Major Caveat:**
Tools come, Tools Go.
They change constantly and nowhere more so than the Google stable.

‣ **Don't Forget to Call for a Convenience Break!**



What Are They Up to?



[Home](#) [Research Areas & Publications](#) [People](#) [Research Programs](#) [Work at Google](#)

[Overview](#)

[Award Programs](#)

[Student Support](#)

[Tools and Resources](#)

[Workshops &
Conferences](#)

Academic and External Research Support



[Learn more about research and academic collaborations at Google](#)

Google was born in Stanford's Computer Science department and the company has always maintained and valued strong relations with universities and research institutes. We run a variety of programs that provide funding and resources to the academic and external research community. Google, in turn, learns from the community through exposure to a

Google's culture is academic at its core. Our founders were PhD students when they created our initial search engine. That spirit of curiosity and exploration is what drives our researchers and engineers to take what our founders conceived to the next level. We encourage that spirit by maintaining strong relationships with our academic colleagues, and supporting their work through collaboration and a variety of funding opportunities.


Maggie Johnson
Director of Education and
University Relations

Global Outreach

What Google Tools Do You Use Today?

- Google Mail
- Google Search
- Android
- Google Maps
- Google Calendar
- Google Contacts
- Google Earth
- ?





A better way to browse the web

Get Google Chrome



Google Search

I'm Feeling Lucky



See how we use data to [make Google work better for you.](#)


Google.ie offered in: [Gaeilge](#)


Google Scholar

[Web](#) [Images](#) [More...](#)

day.shawn@gmail.com

[My library](#) [My Citations](#) [My updates](#) [Alerts](#) [Metrics](#) [Settings](#)





☒ Articles (☒ include patents) ☐ Case law

My updates: recommended based on My Citations [Learn more](#)

[The Sociological Study of Mental Illness: A Historical Perspective](#)
A Scull

[‘One must eliminate the effects of... diffuse circulation \[and\] their unstable and dangerous coagulation’: Foucault and beyond the stopping of mobilities](#)
C Philo - Mobilities, 2014

[See all updates](#)

Stand on the shoulders of giants



Who Uses Google Scholar?

- You can use it as your own dashboard and manage your own scholarly citations
- Similar in that to ResearchGate or [academia.edu](https://www.academia.edu)
- Not as geared towards the social graph
- Mines the spidering capabilities of Google

Open Refine aka Google Refine

- Two Sides of the Same Coin



What is Refine for?

- The most user-friendly tool to efficiently process and clean large amounts of data in a browser-based interface
- Remove duplicate records
- Separate multiple values contained in the same field
- Analyse the distribution of values throughout a data set
- Group together different representations of the same reality

Alternatives

- ▶ Trifacta Data Wrangler
- ▶ Mr Data Converter

Split

Cut

Extract

Edit

Fill

Translate

Drop

Merge

Wrap

Delete

Promote

after

before

column

max

on

positions

once

Suggestions

rows: 408

prev

next

#	split	#	split1
1	Reported crime in Alabama		
2			
3	2004	4029.3	
4	2005	3900	
5	2006	3937	
6	2007	3974.9	
7	2008	4081.9	
8			
9	Reported crime in Alaska		
10			
11	2004	3370.9	
12	2005	3615	
13	2006	3582	
14	2007	3373.9	
15	2008	2928.3	
16			
17	Reported crime in Arizona		
18			
19	2004	5073.3	
20	2005	4827	
21	2006	4741.6	
22	2007	4502.6	
23	2008	4087.3	

Script

Export

▶ Split data repeatedly on newline into rows

▶ Split data repeatedly on ','

Mr. Data Converter

I will convert your Excel data into one of several web-friendly formats, including HTML, JSON and XML.

Fork me on [github](#).

SETTINGS

Delimiter: ☒ Auto ☐ Comma ☐ Tab
Decimal Sign: ☒ Dot ☐ Cmma
☒ First row is the header
Transform: ☐ downcase ☐ upcase ☒ none
☒ Include white space in output
Indent with: ☐ tabs ☒ spaces

Input CSV or tab-delimited data. Using Excel? Simply copy and paste. No data on hand? [Use sample](#)

```
44;132;Directed;346;Supported;1.0
45;43;Directed;348;Supported;1.0
45;130;Directed;347;Opposed;1.0
46;130;Directed;349;Opposed;1.0
47;130;Directed;350;Opposed;1.0
47;133;Directed;351;Supported;1.0
48;130;Directed;352;Supported;1.0
49;130;Directed;353;Opposed;1.0
49;132;Directed;354;Supported;1.0
50;130;Directed;355;Opposed;1.0
50;133;Directed;356;Supported;1.0
51;130;Directed;357;Opposed;1.0
51;133;Directed;358;Supported;1.0
130;134;Directed;280;Supported;1.0
```

Output as **JSON - Properties**

```
{["Source;Target;Type;Id;Label;Weight": "0;130;Directed;256;Opposed;1.0"},
{"Source;Target;Type;Id;Label;Weight": "0;131;Directed;255;Supported;1.0"},
{"Source;Target;Type;Id;Label;Weight": "1;34;Directed;258;Opposed;1.0"},
{"Source;Target;Type;Id;Label;Weight": "1;130;Directed;257;Supported;1.0"},
{"Source;Target;Type;Id;Label;Weight": "2;130;Directed;259;Supported;1.0"},
{"Source;Target;Type;Id;Label;Weight": "2;131;Directed;260;Supported;1.0"},
{"Source;Target;Type;Id;Label;Weight": "3;18;Directed;262;Opposed;1.0"},
{"Source;Target;Type;Id;Label;Weight": "3;130;Directed;261;Supported;1.0"},
{"Source;Target;Type;Id;Label;Weight": "4;0;Directed;264;Supported;1.0"},
{"Source;Target;Type;Id;Label;Weight": "4;3;Directed;265;Supported;1.0"},
{"Source;Target;Type;Id;Label;Weight": "4;5;Directed;266;Supported;1.0"},
{"Source;Target;Type;Id;Label;Weight": "4;130;Directed;263;Supported;1.0"},
{"Source;Target;Type;Id;Label;Weight": "5;0;Directed;268;Opposed;1.0"},
{"Source;Target;Type;Id;Label;Weight": "5;130;Directed;267;Supported;1.0"},
{"Source;Target;Type;Id;Label;Weight": "5;132;Directed;270;Opposed;1.0"}]
```



How Can You Use it?

- I am going to run it locally on my machine
- You can install on your own
- Java
- OpenRefine (webserver)
- Manipulable through your browser

So Let's Give it a Try

- ▶ <http://127.0.0.1:3333>

Install Refine

Download OpenRefine

[Home](#)

[Download](#)

[Documentation](#)

[Community](#)

[Post archive](#)

[OpenRefine News:](#)
[Spring 2016](#)

[OpenRefine News:](#)
[December 2015](#)

[OpenRefine News:](#)
[November 2015](#)

[OpenRefine News:](#)
[October 2015](#)

[OpenRefine News:](#)
[September 2015](#)

[OpenRefine News:](#)

You will find on this page a list of OpenRefine distributions and extensions available for download. Are we missing something? Want to fix a typo? You can submit changes (pull request) [from here](#).

Official Distribution

Read the [installation instructions](#)

You can also Download All Official Releases and source from our [GITHUB RELEASES PAGE HERE](#)

<https://github.com/OpenRefine/OpenRefine/releases/tag/2.7>

OpenRefine 2.7

The final release of 2.7 on Jun 17, 2017. A change log is provided on [the release page](#).

- **Windows kit**, Download, unzip, and double-click on *openrefine.exe*. If you're having issues with the above, try double-clicking on *refine.bat* instead.
- **Mac kit**, Download, open, drag icon into the Applications folder and double click on it.
- **Linux kit**, Download, extract, then type *./refine* to start.

OpenRefine 2.7-rc2 Release Candidate 2

An updated release on Mar 3, 2017. A change log is provided on [the release page](#).

- **Windows kit**, Download, unzip, and double-click on *openrefine.exe*. If you're having issues with the above, try double-clicking on *refine.bat* instead.
- **Mac kit**, Download, open, drag icon into the Applications folder and double click on it.
- **Linux kit**, Download, extract, then type *./refine* to start.



Get to Know Your Data

Refine

UCD Tutorial

Permalink

Open...Export▼Help

Facet / Filter

Undo / Redo 0

Refresh

Reset All

Remove All

Categories

change

14805 choices

Sort by: name count

Cluster

|Fungi|Models|Models 1

|Gelatin dry plate negatives|Photographs 1

|Merchant ships|Cargo ships|Naval ships 1

|Small scale models|Models 1

|Small scale models|Transport-Water 1

|Specimens|Exhibition labels|Botanical Specimens 1

|Wheels|Industrial Machinery and Equipment 1

35mm cameras|Camera

75814 rows

Extensions: undefined▼

Show as: rows records

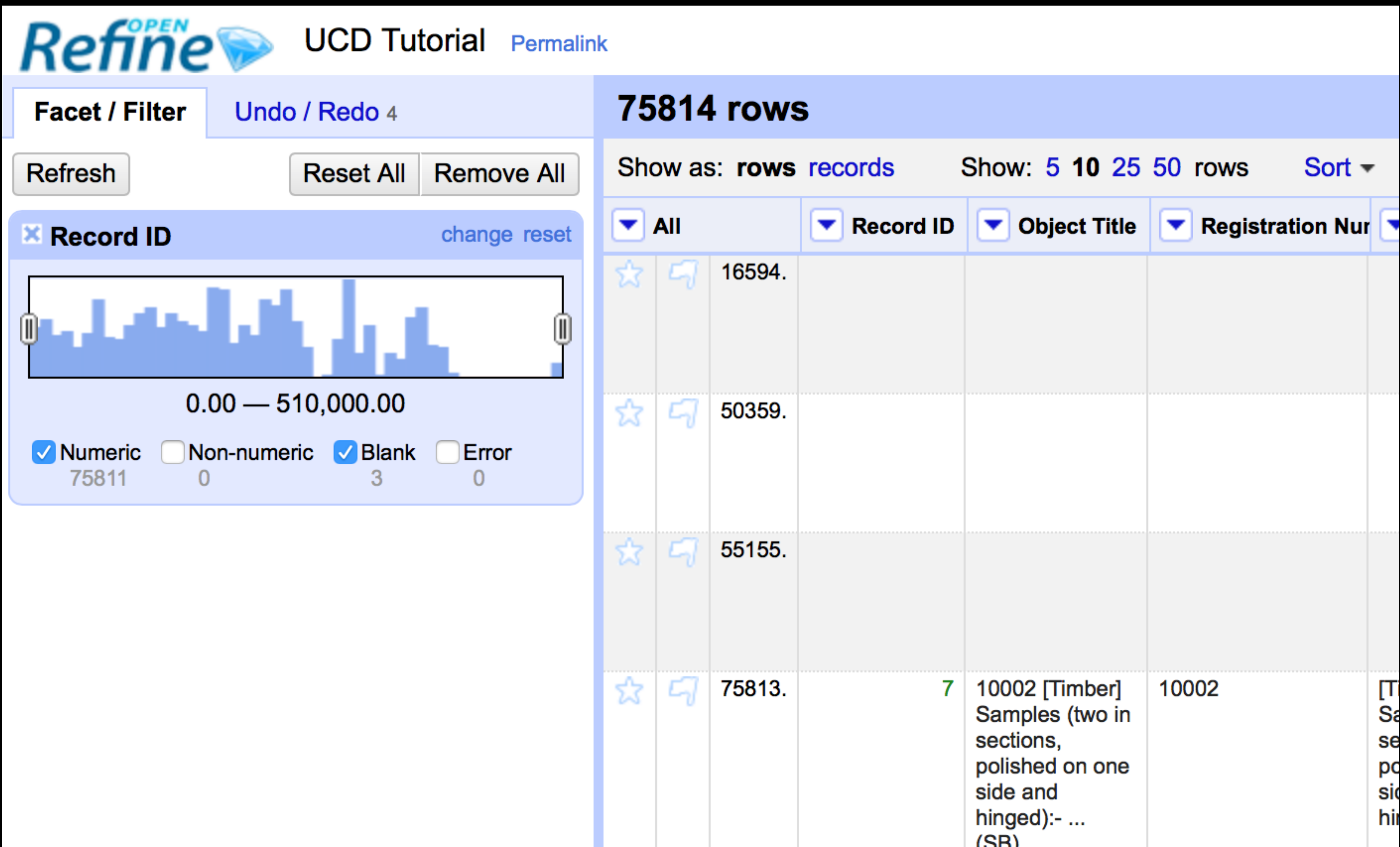
Show: 5 10 25 50 rows

« first < previous 1 - 10 next > last »


	Production Date	Provenance (Pro	Provenance (His	Categories	Persistent Link	Hei
					http://www.powerhousemuseum.com/collection/database/?irn=267220	990 mm
				Mineral Samples-Geological	http://www.powerhousemuseum.com/collection/database/?irn=346260	



Remove Blank Rows




Remove Duplicates

 UCD Tutorial [Permalink](#) Open... Export

Facet / Filter Undo / Redo 10

Using facets and filters






Use facets and filters to select subsets of your data to act on. Choose facet and filter methods from the menus at the top of each data column.

Not sure how to get started?
[Watch these screencasts](#)


75727 rows Extensions: unde

Show as: **rows** records Show: 5 10 25 50 rows Sort ▾

« first < previous 1 - 10 next

▼ All	▼ Record ID	▼ Object Title	▼ Registration Nur	▼ Description.	▼ Marks	▼ Production Date	▼ Provenance (Pro	▼ P
☆  1.	7	10002 [Timber] Samples (two in sections, polished on one side and hinged):- ... (SB).	10002	[Timber] Samples (two in sections, polished on one side and hinged):- ... (SB).				
☆  2.	9	10004 Collection of minerals consisting of agates, quartz laminated & crystallised etc.; Liverpool Plains District, New South Wales (SB). 1 spec. surface polished B.fl. Case 637, Bay 14 (LC).	10004	Collection of minerals consisting of agates, quartz laminated & crystallised etc.; Liverpool Plains District, New South Wales (SB). 1 spec. surface polished B.fl. Case 637, Bay 14 (LC).				
☆  3.	14	A didactic display illustrating pearl button manufacture.	10007	Didactic display, pearl shell / metal / cardboard, maker unknown, Sydney, New South Wales, Australia, 1875-1885 A didactic display illustrating pearl button manufacture. The display			Designer: unknown; Sydney Maker: unknown; Sydney; 1885	

Atomise Your Data

 UCD Tutorial [Permalink](#)

uct / Filter

Undo / Redo 11

Extract... Apply...

Create project

Text transform on 75814 cells in column Record ID: value.toNumber()

Star row 16594

Unstar row 16594

Text transform on 0 cells in column Record ID: value.toNumber()

Remove 3 rows

Reorder rows

Reorder rows

Reorder rows

Blank down 84 cells in column Record ID

Remove 84 rows

Split multi-valued cells in column Categories

170167 rows				
Show as: rows records		Show: 5 10 25 50 rows		
All	Record ID	Object Title	Registration	
		2.		
		4.		
		5.		
		7.		
		8.		
		9.		
		12.		
		14.		
		15.		
		16.		
		17.		
		19.		
		21.		
		22.		
		23.		
		25.		
		27.		



Facetting and Clustering

UCD Tutorial Permalink Open... Export

Cluster & Edit column "Categories"

This feature helps you find groups of different cell values that might be alternative representations of the same thing. For example, the two strings "New York" and "new york" are very likely to refer to the same concept and just have capitalization differences, and "G del" and "Godel" probably refer to the same person. [Find out more ...](#)

Method key collision Keying Function fingerprint **27 clusters found**

Cluster Size	Row Count	Values in Cluster	Merge?	New Cell Value
2	193	<ul style="list-style-type: none">Toiletries (192 rows)toiletries (1 rows)	<input type="checkbox"/>	Toiletries
2	2278	<ul style="list-style-type: none">Documents (2277 rows)documents (1 rows)	<input type="checkbox"/>	Documents
2	85	<ul style="list-style-type: none">Office Equipment (78 rows)Office equipment (7 rows)	<input type="checkbox"/>	Office Equipment
2	17	<ul style="list-style-type: none">Electronics Packaging (16 rows)Electronics packaging (1 rows)	<input type="checkbox"/>	Electronics Packaging
2	7280	<ul style="list-style-type: none">Clothing and Dress (7279 rows)Clothing and dress (1 rows)	<input type="checkbox"/>	Clothing and Dress
2	364	<ul style="list-style-type: none">Ceremonial Objects (326 rows)Ceremonial objects (38 rows)	<input type="checkbox"/>	Ceremonial Objects
2	8042	<ul style="list-style-type: none">Numismatics (8041 rows)numismatics (1 rows)	<input type="checkbox"/>	Numismatics
2	95	<ul style="list-style-type: none">Material technology (89 rows)	<input type="checkbox"/>	Material technology

Rows in Cluster

Average Length of Choices

Select All Unselect All Merge Selected & Re-Cluster Merge Selected & Close Close

Filtering with Regular Expressions

- Not included in this tutorial. Too far beyond the basics.

Export Your Cleaner Data

The image shows a software interface for exporting data. On the left, a dropdown menu is open under the 'Export' button, listing several options: 'Export project', 'Tab-separated value', 'Comma-separated value', 'HTML table', 'Excel', 'ODF spreadsheet', 'Triple loader', 'MQLWrite', 'Custom tabular exporter...', and 'Templating...'. The 'Templating...' option is highlighted. On the right, a 'Templating Export' dialog box is displayed. It contains fields for 'Prefix', 'Row Template', 'Row Separator', and 'Suffix'. The 'Prefix' field contains a JSON array structure. The 'Row Template' field contains a complex JSON object with various fields like 'Record ID', 'Object Title', 'Registration Number', etc., each followed by a Jinja2-style template expression like `{{jsonize(cells["Record ID"].value)}}`. The 'Row Separator' field contains a comma. The 'Suffix' field contains a closing JSON object brace. At the bottom of the dialog are buttons for 'Reset Template', 'Export', and 'Cancel'. In the bottom right corner of the overall image is the UCD DUBLIN logo.

Open... Export ▼

Export project

Tab-separated value

Comma-separated value

HTML table

Excel

ODF spreadsheet

Triple loader

MQLWrite

Custom tabular exporter...

Templating...

Templating Export

Prefix

```
{  
  "rows" : [  

```

Row Template

```
{  
  "Record ID" : {{jsonize(cells["Record ID"].value)}},  
  "Object Title" : {{jsonize(cells["Object Title"].value)}},  
  "Registration Number" : {{jsonize(cells["Registration Number"].value)}},  
  "Description." : {{jsonize(cells["Description."].value)}},  
  "Marks" : {{jsonize(cells["Marks"].value)}},  
  "Production Date" : {{jsonize(cells["Production Date"].value)}},  
  "Provenance (Production)" : {{jsonize(cells["Provenance (Production)"].value)}},  
  "Provenance (History)" : {{jsonize(cells["Provenance (History)"].value)}},  
  "Categories" : {{jsonize(cells["Categories"].value)}},  
  "Persistent Link" : {{jsonize(cells["Persistent Link"].value)}},  
  "Height" : {{jsonize(cells["Height"].value)}},  
  "Width" : {{jsonize(cells["Width"].value)}},  
  "Depth" : {{jsonize(cells["Depth"].value)}},  
  "Diameter" : {{jsonize(cells["Diameter"].value)}},  
  "Weight" : {{jsonize(cells["Weight"].value)}},  
  "License info" : {{jsonize(cells["License info"].value)}}  
}
```

Row Separator

,

Suffix

```
]  
}
```

Reset Template

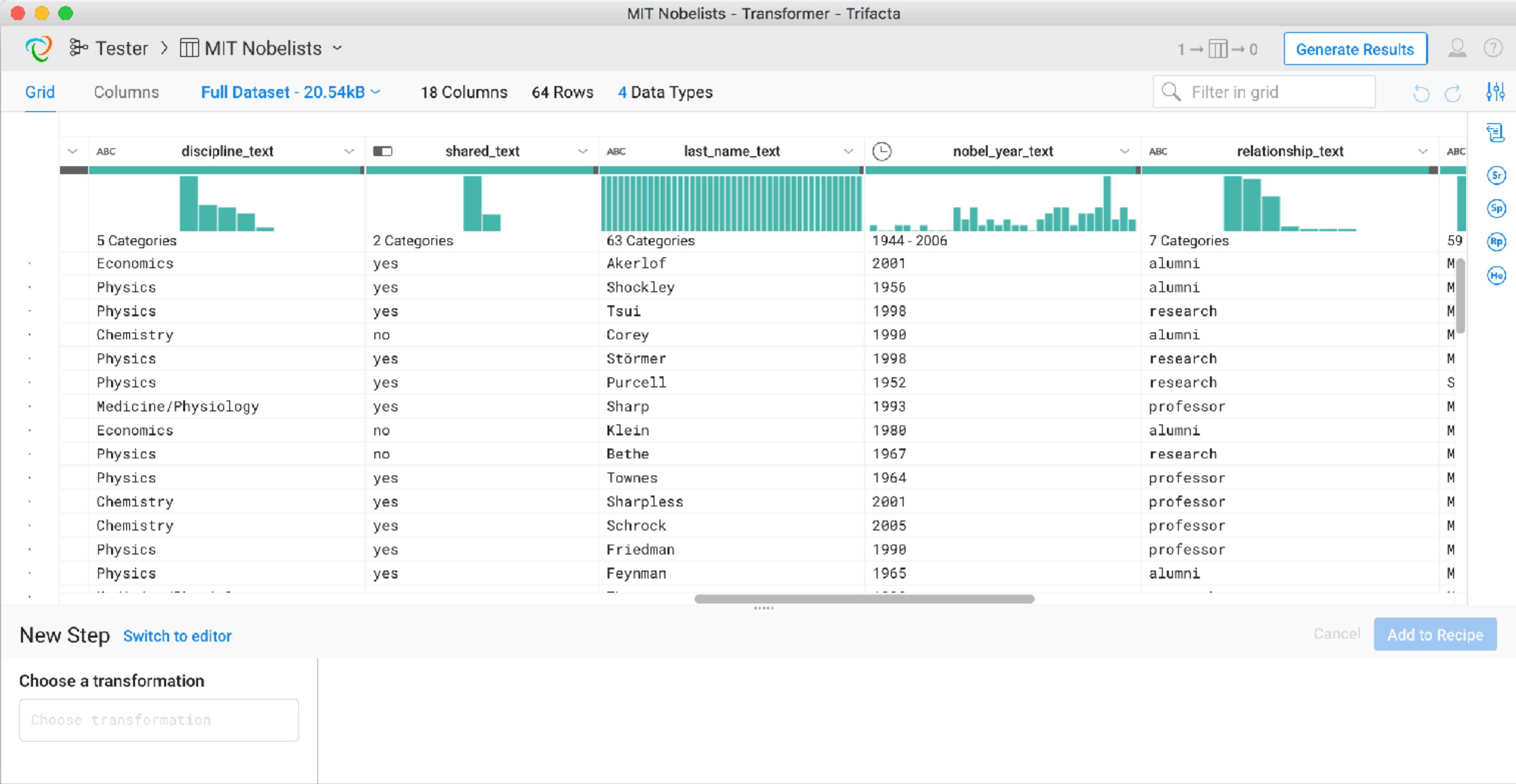
Export Cancel

UCD DUBLIN

Finding Data Can be a Challenge: Google Public Data Explorer

- Access Public Data Sets Aggregated and Presented by Google
- Mine massive ordered datasets for related data, matching trends, etc.
- Are contributed to/solicited by Google - Limited
- Currently: UN, EU, US Census Bureau, Iceland, Ireland CSO but growing

Trifacta Data Wrangler





Google

Search public data



Shawn



Public Data

Language ▾

Datasets

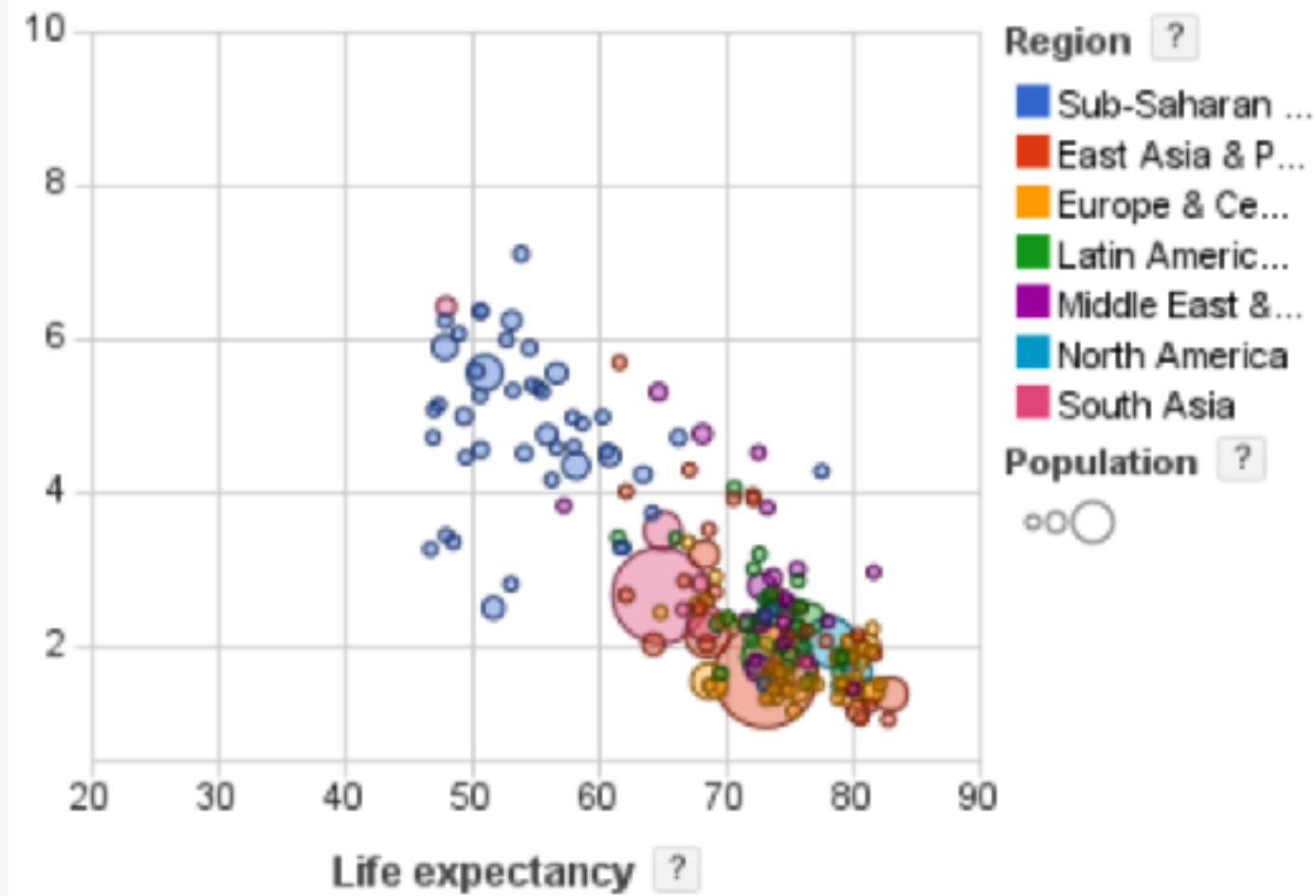
Metrics

Any data provider (103)

Eurostat (9)
Statistics Iceland (6)
U.S. Census Bureau (5)
Central Statistics Office,
Ireland (4)
Data.gov.uk (4)

My Datasets

Fertility rate ? Countries ?



Living longer with fewer children

This chart correlates life expectancy and number of children per woman for each country in the world. The bubbles are sized by population and colored by region. Over time, most countries have moved towards the bottom right corner of the chart, corresponding to long lives and low fertility. Note the progression of the bubble for China- in the late 60's and 70's life expectancy rose quickly, then the implementation of the one-child policy caused a drop in the number of children per woman.

Explore the data

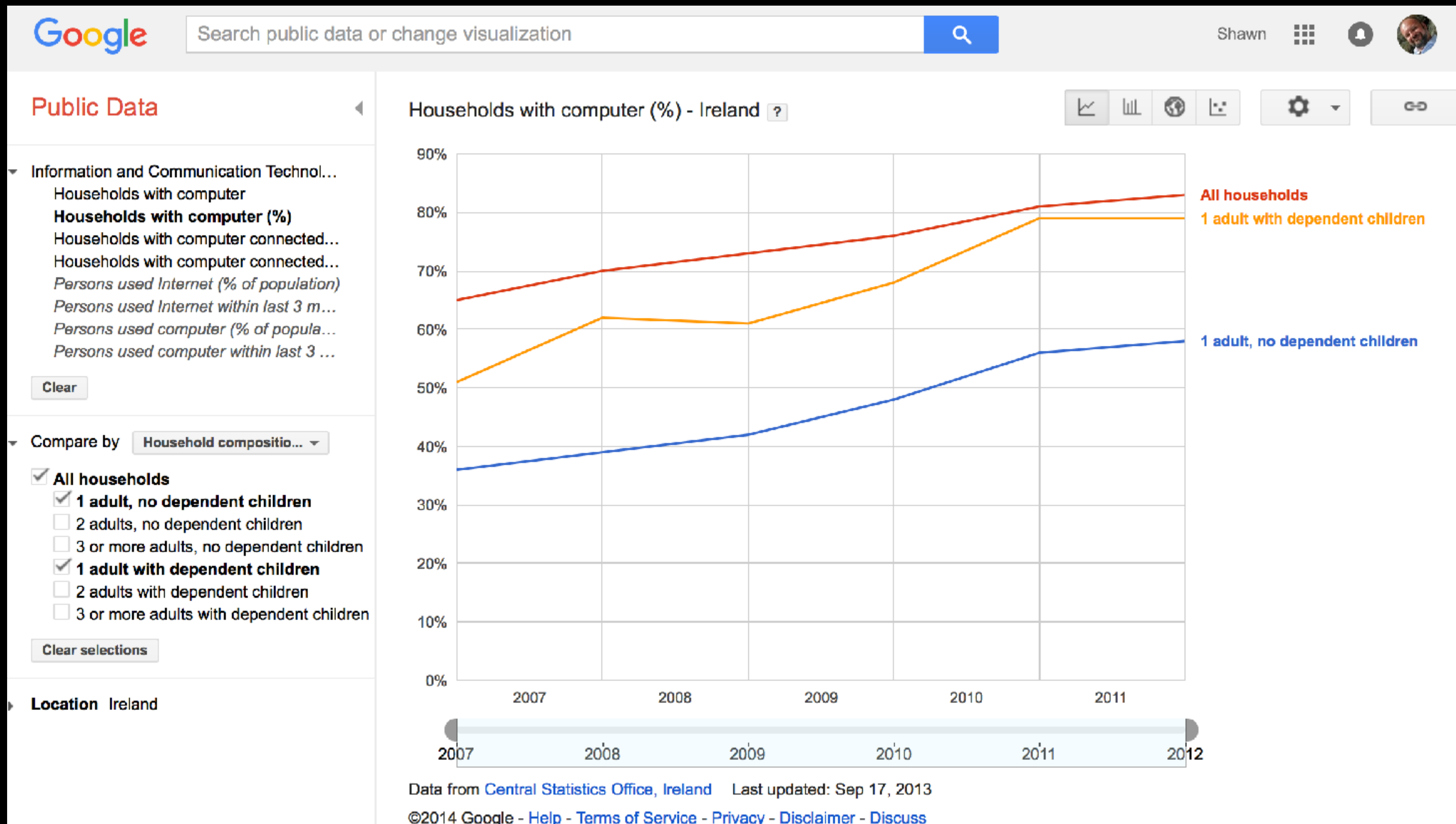
Dataset: [World Development Indicators](#)
Source: [World Bank](#)

World Development Indicators

World Bank

This dataset contains the World Development Indicators (WDI).

Google Public Data Explorer





Google Developers

Dataset Publishing Language

Products > Dataset Publishing Language

Dataset Publishing Language

Import your data into the Google Public Data Explorer.

HOME GUIDES REFERENCE SAMPLES SUPPORT

What is Dataset Public Language?

DSPL is a data and metadata format designed from the ground up to support powerful, interactive visualizations like those in the Google Public Data Explorer. See the overview for more details and to get started.

[GET STARTED](#)

Google Search public data

Shawn

Public Data

Home My Datasets Help

Upload Datasets

The Google Public Data Explorer allows users to upload their own datasets for visualization and exploration.

To get started:

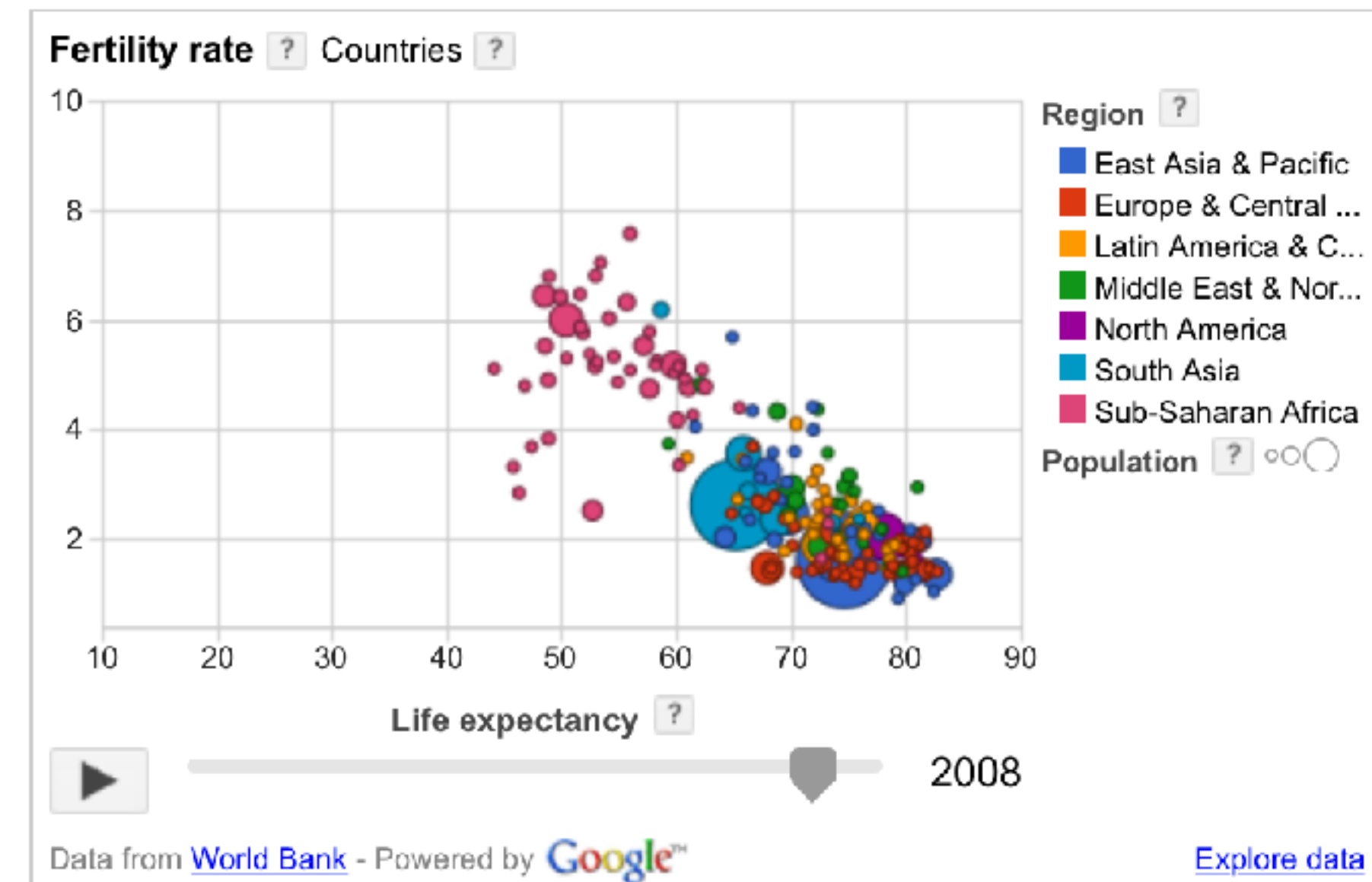
1. Describe your dataset using the Dataset Publishing Language (DSPL), an open, XML-based metadata format optimized for data visualization. See [the documentation on Google Code](#) for more information.
2. Bundle your data and metadata into a single Zip file, and upload it using the button below.
3. Preview, share, and publish your dataset for others to see and use.

If you're an official data provider and you would like to add your data to the directory, please follow [this link](#).

If you have questions or feedback, please post a message in [the DSPL discussion forum](#).

UPLOAD DATASET

©2014 Google - [Help](#) - [Terms of Service](#) - [Privacy](#) - [Disclaimer](#) - [Content Policy](#) - [Discuss](#)



Google Public Data Explorer

- You can upload your own datasets
- Use Google Visualisation Tools Automatically
- Integrate with Other Publicly Available datasets
- You cannot actually see or export the raw data
- What else might you use?



What is Watson?

From hospitals to kitchens, Watson has clocked in to work and is already taking impressive strides across industries. But to understand the power of Watson, we must first understand cognitive computing and how it enhances, scales, and accelerates human expertise.



What do you want to explore in "Election2015CanadaPrelim"?

Here are some starting points.

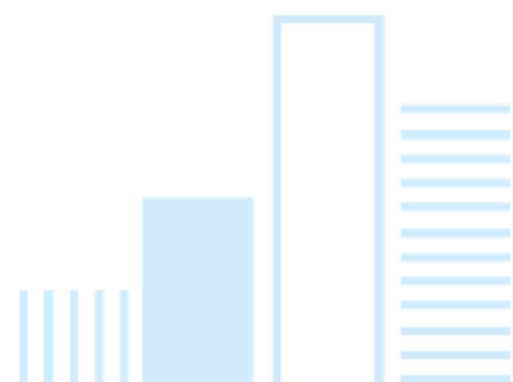
Ask a question



What is the relationship between % Votes obtained and Rejected ballots by Electoral district name?



How do the values of % Votes obtained compare by Type of results?



What is the breakdown of Rejected ballots by Type of results and Political affiliation?



How do the values of Rejected ballots compare by Type of results and Political affiliation?



What are the values of % Votes obtained for Type of results and Electoral district name?



What is the breakdown of Votes obtained by Type of results and Political affiliation?





Buy Sign In English ▾



Products Solutions Learning Support Partners About

TRY NOW

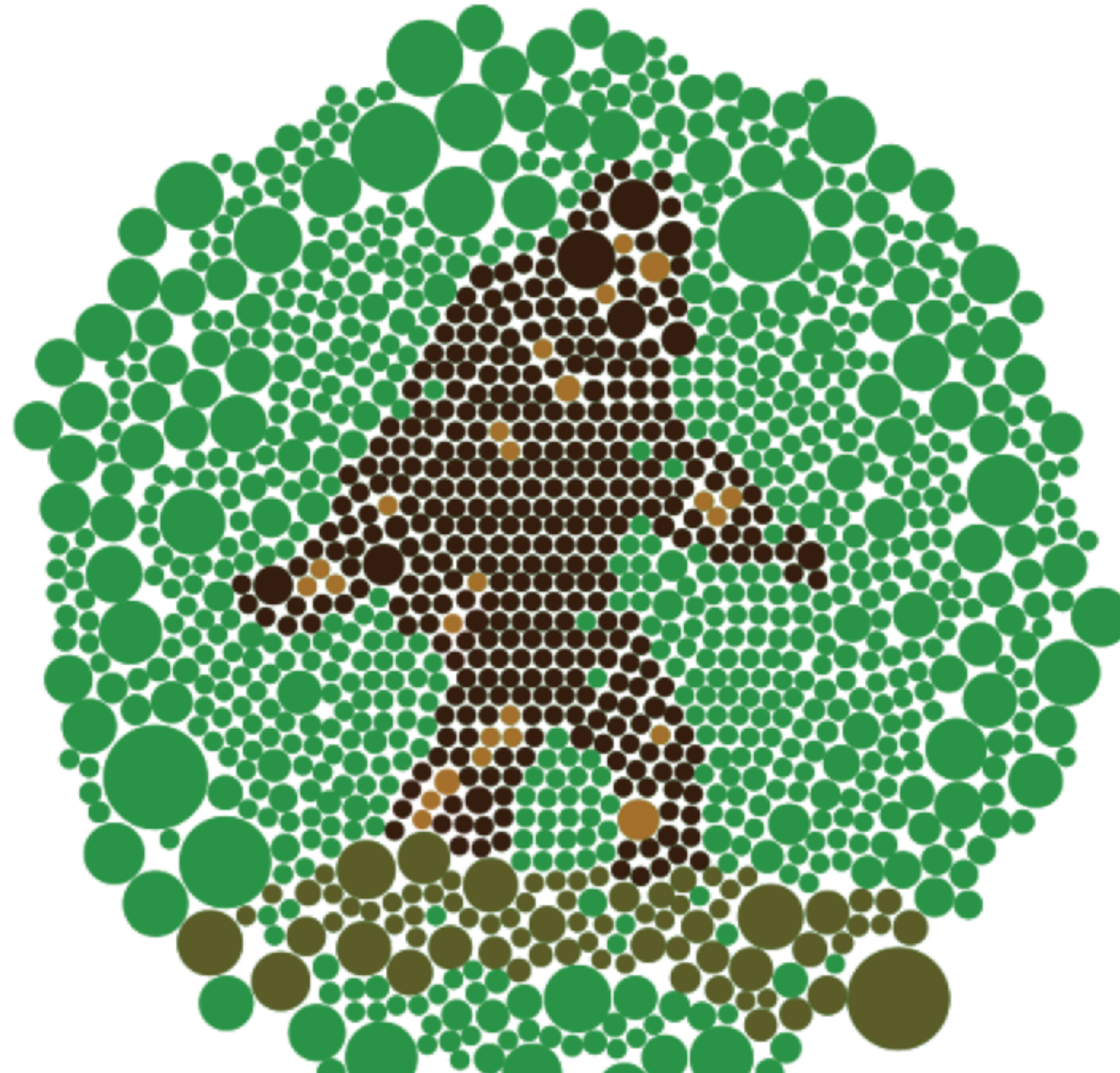
The page you were looking for does not exist. Sasquatch, on the other hand, just might.

Not looking for Sasquatch? Try this:

If you typed in a URL, double-check the spelling.

If you clicked a link and found this page instead, drop us an [email](#).

For more information on our products, [click here](#).



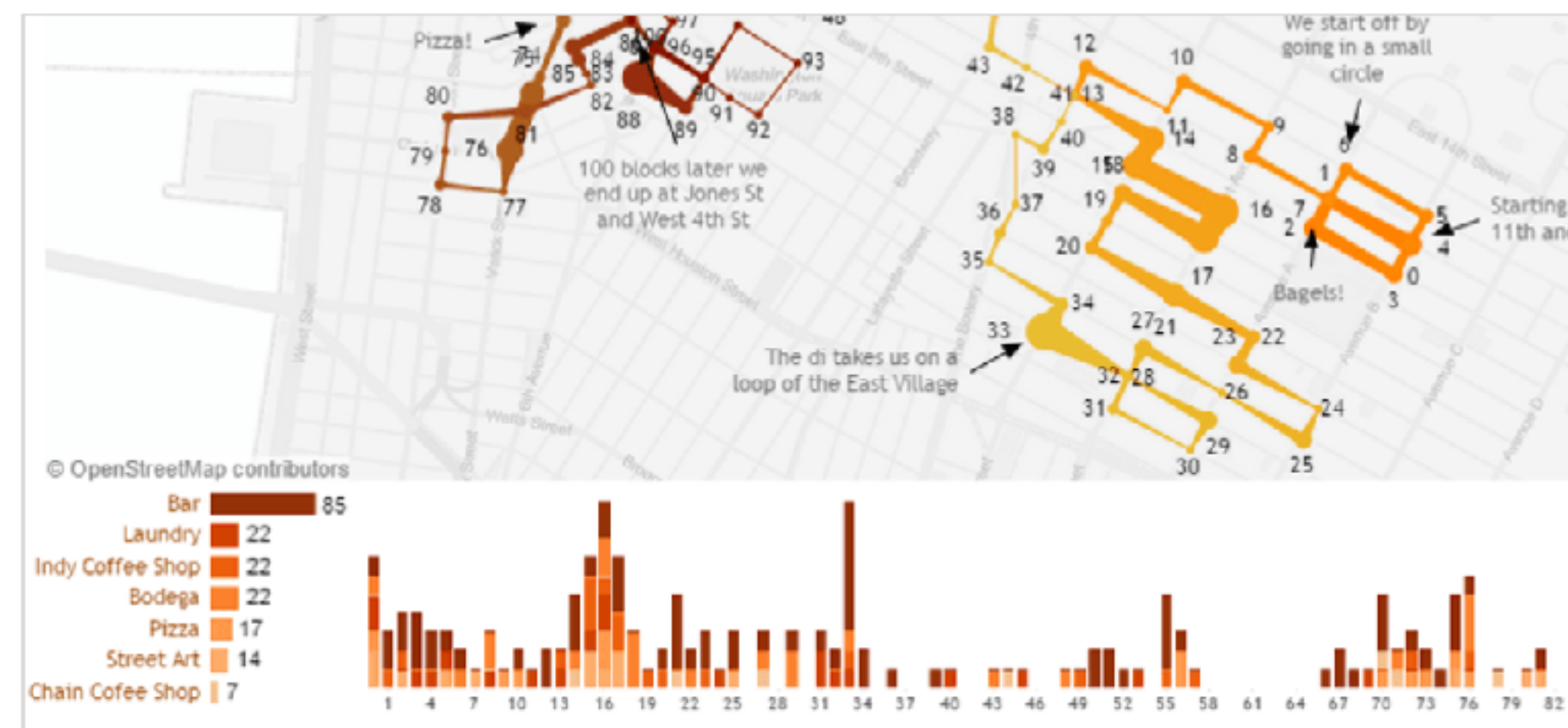
What the Tableau Public Community is Making



Peter Gilks
Quantified Self

The promise of analyzing your Fitbit data, your travel, your spending or your meals is that you can understand yourself better and perhaps even form better habits. With Tableau Public you can take data of any sort and analyze it, then share an interactive visualization of the data on Twitter or Facebook.

Peter Gilks of Paint by Numbers looks at a random walk around New York City.



Bloggers

Quantified Selves

Journalists

Sports Fans

Political Junkies

Nonprofits



Google Fusion Tables

What Are Google Fusion Tables?

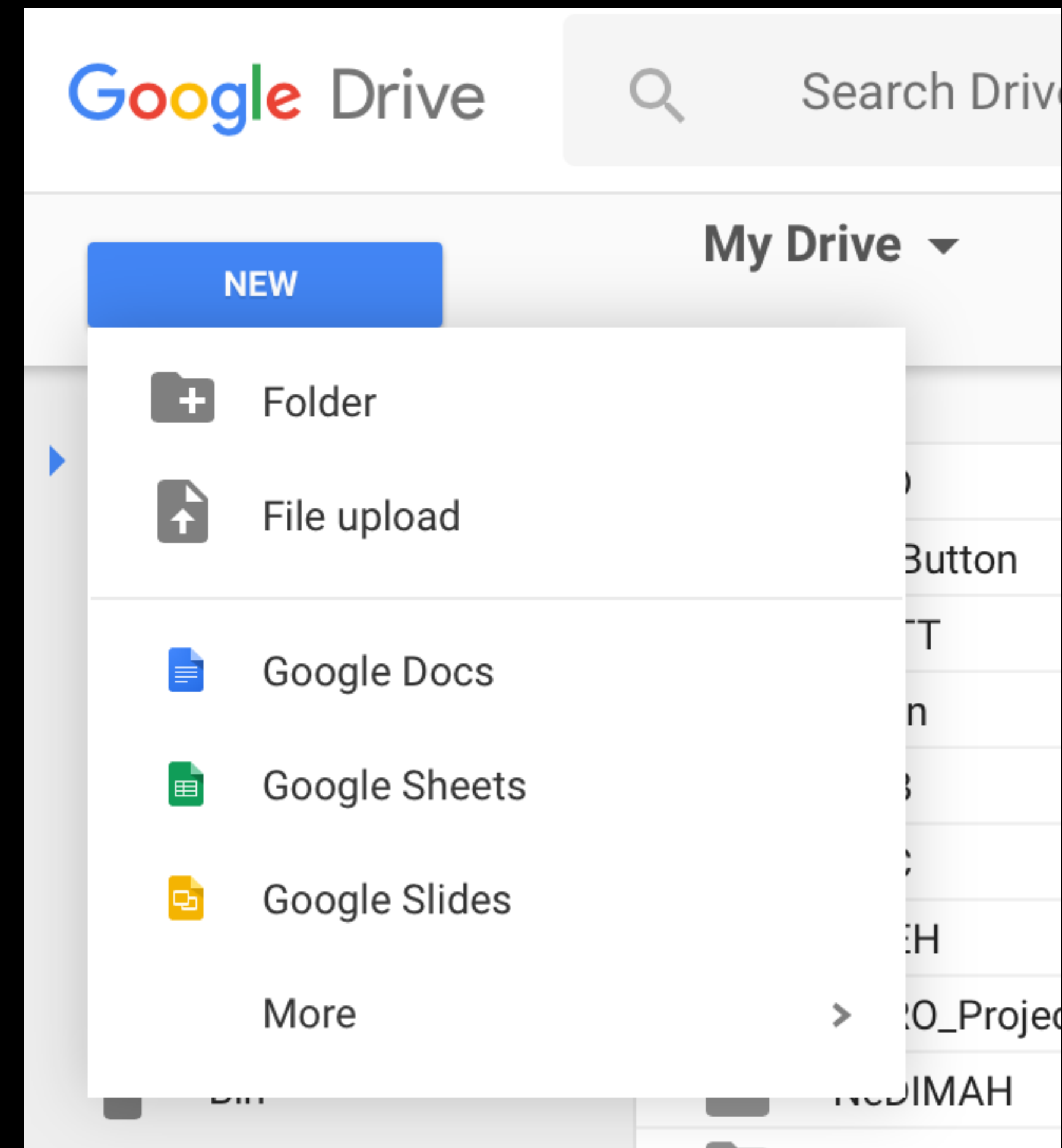
- Fusion tables can be used for gathering, visualising and sharing data tables
- Visualize bigger table data online
 - Filter and summarize across hundreds of thousands of rows.
 - Then try a chart, map, network graph, or custom layout and embed or share it.
 - Collaborate! All your data organization is automatically saved and stored in Google Drive.
- Combine with other data on the web
 - Merge two or three tables to generate a single visualization that includes both sets of data.
 - Find public data to combine with your own for a better visualization.
- Make a map in minutes
- Host data online - and stay in control
 - Viewers located anywhere can produce charts or maps from it.

Download Raw Data

- Two Files
 - Restaurants
 - Inspections

Import into Google Docs

- <http://www.smalldatajournalism.com/projects/one-offs/mapping-with-fusion-tables/>



Freeze Rows - Sort Columns

File Edit View Insert Format Data Tools Add-ons Help Last edit was 3 minutes ago									
£ % .0 .00 123 Arial 10 B I S A									
fx name									
	A	B	C	D	E	F	G	H	
1	name	building	street	zipcode	phone	camis			
2	DUNKIN' DONUTS	56	COURT STREET	11201	7186252068	40363098			
3	MCDONALD'S	395	FLATBUSH AVE	11201	7185224988	40369535			
4	MCDONALD'S	3267	RICHMOND AVE	10312	7189483800	40370356			
5	MCDONALD'S	5804	CLARENDON RD	11203	7184510834	40373909			
6	MCDONALD'S	75-50	101 AVENUE	11416	7188451010	40367829			
7	MCDONALD'S	2154	HYLAN BOULEV	10306	7189791524	40371529			
8	MCDONALD'S	3660	EAST TREMON	10465	7188281430	40372196			
9	MCDONALD'S	943	FLATBUSH AVE	11226	7186935353	40367790			
10	MCDONALD'S	221-28	HORACE HARD	11364	7186310700	40372844			
11	MCDONALD'S	701	UTICA AVENUE	11203	7187780023	40369782			
12	MCDONALD'S	160-11	WILLETS POINT	11357	7187466063	40370781			
13	MCDONALD'S	106-15	71 AVENUE	11375	7187938181	40369724			
14	MCDONALD'S	70-02	COPPER AVENUE	11385	7184970722	40377294			
15	MCDONALD'S	5765-81	BROADWAY	10463	7187964447	40369915			
16	DUNKIN' DONUTS	153-67	HORACE HARD	11367	7183584031	40378035			
17	MCDONALD'S	427	10 AVENUE	10001	2125647115	40370146			
18	MCDONALD'S	72-69	KISSENA BOULEV	11367	7182634295	40374460			

Using Formulas

File Edit View Insert Format Data Tools Add-ons Help All changes saved in Drive

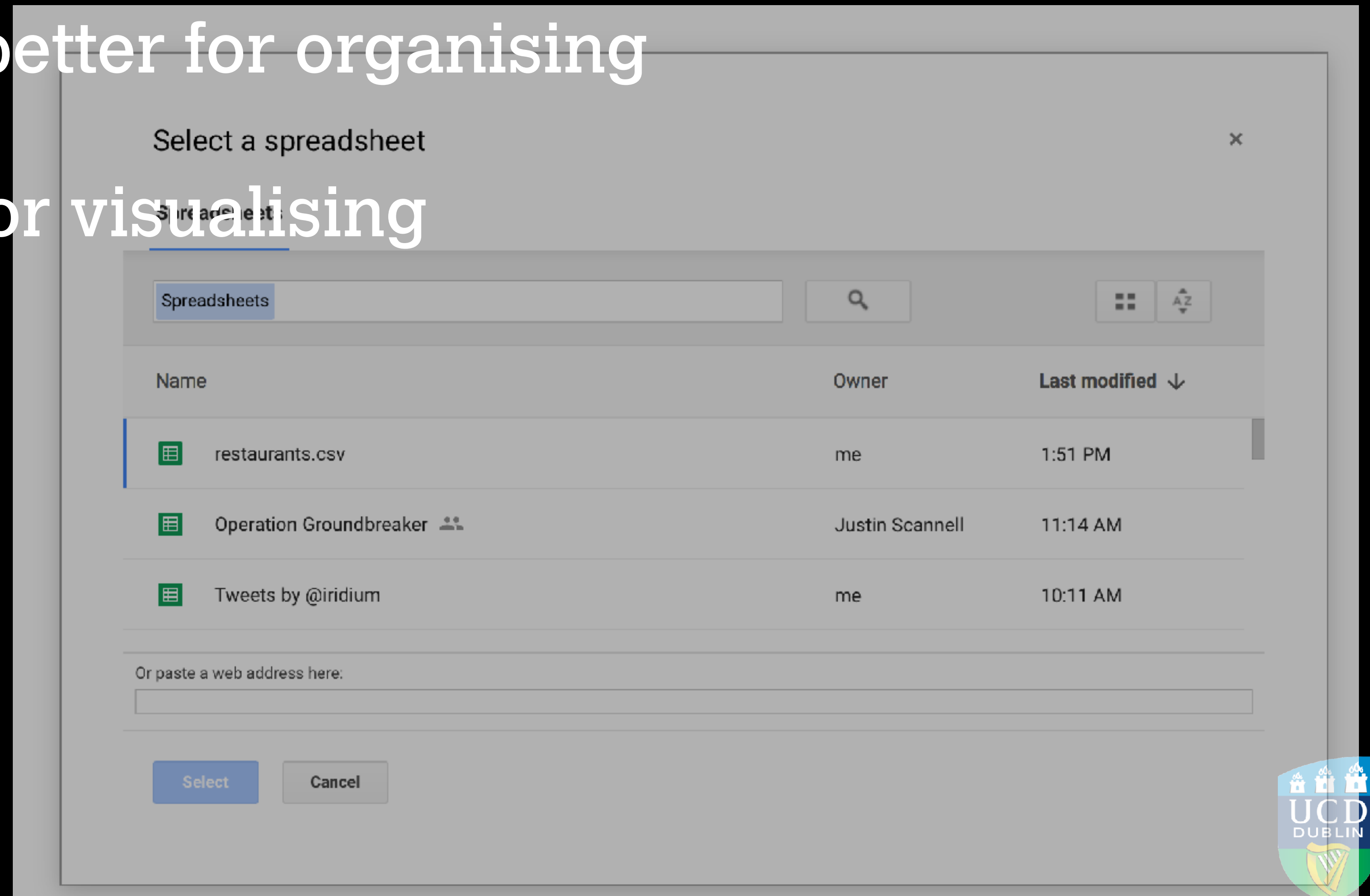
£ % .0 .00 123 Arial 10 B I S A

fx

	A	B	C	D	E	F	G	H
1	name	building	street	zipcode	phone	camis	address	
2	MCDONALD'S	427	10 AVENUE	10001	2125647115	40370146	427 10 AVENUE NY 10001	
3	MCDONALD'S	809	6 AVENUE	10001	2124639495	40391659		
4	MCDONALD'S	335	8 AVENUE	10001	2126331107	40393474		
5	STARBUCKS COFFEE	370	7 AVENUE	10001	2129672041	40570278		
6	STARBUCKS COFFEE	205	WEST 34 STREET	10001	2122791122	40697315		
7	STARBUCKS COFFEE	494	8 AVENUE	10001	2129473860	40697311		
8	STARBUCKS COFFEE	330	5 AVENUE	10001	2122792960	40722665		

Piping Data into Fusion Tables

- › Spreadsheets is better for organising
- › Fusion is better for visualising



Geocoding

Geocoding...

restaurants

Imported at Thu Nov 10 06:00:03 PST 2016 from restaurants.csv.
Edited at 14:08

File Edit Tools Help Rows 1

Filter No filters applied

Configure map

Location address

Feature map

Change feature styles...

Change info window...

Heatmap

Geocode

Use the Google Maps Geocoding service to place addresses on the map. [Learn more](#)

Location column

address

Geocoding only uses location information in the selected column

Add location hint

Geocoded 21 of at least 1011 ungeocoded rows

2%

Quality: 0% ambiguous

Pause geocoding Cancel

Greenland

North Atlantic Ocean

Pacific Ocean

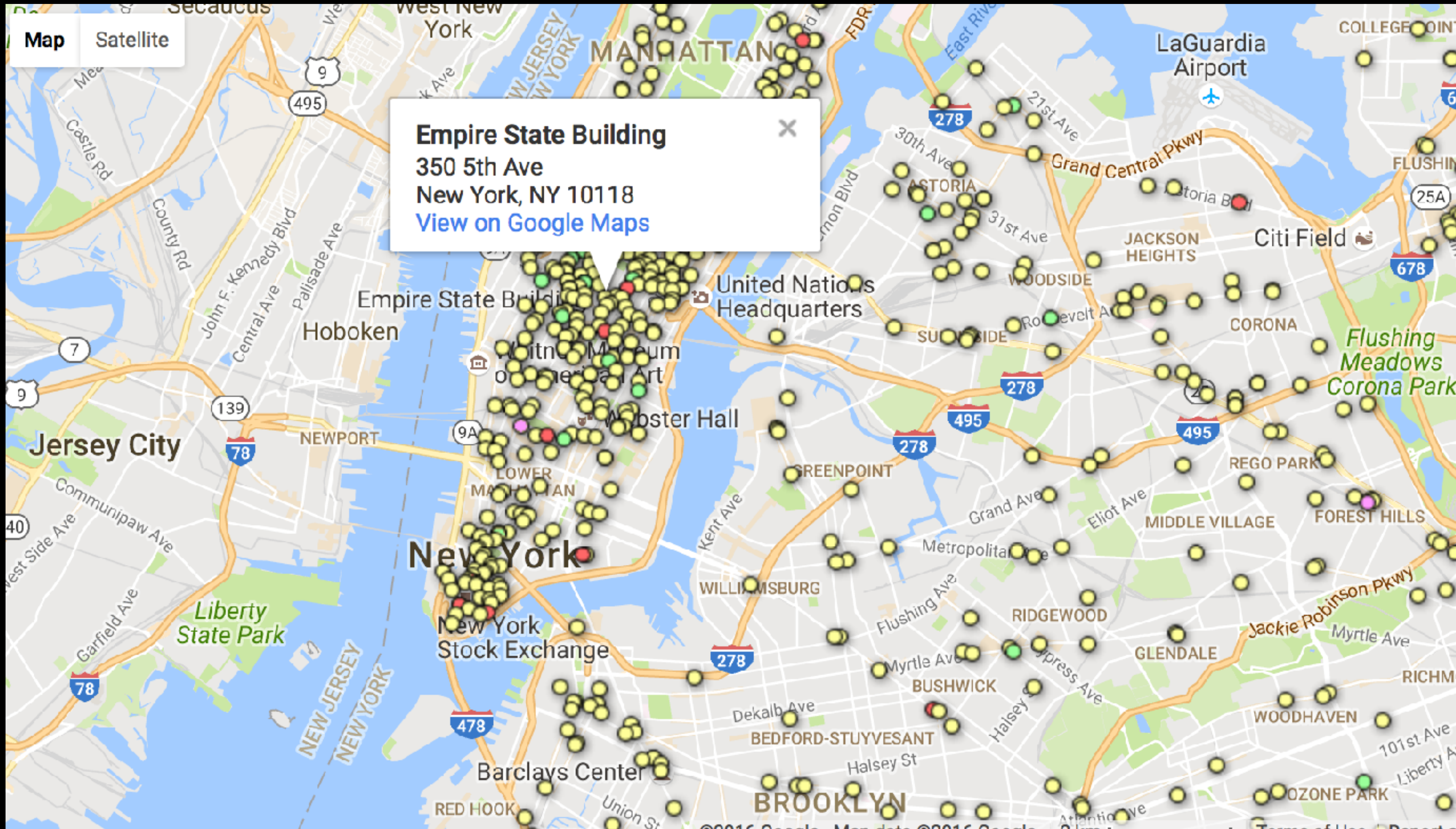
Mexico

Thailand

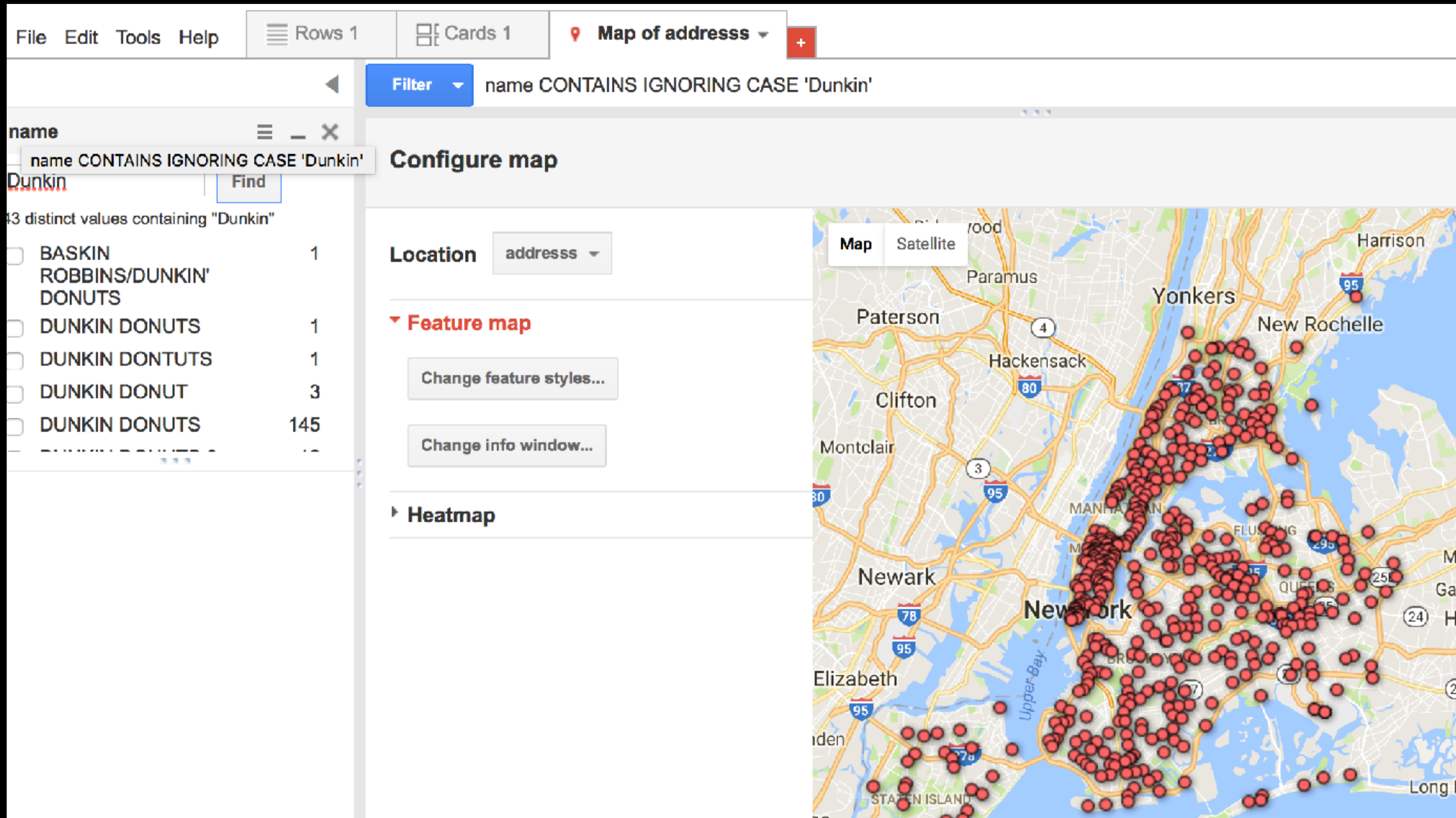
South Korea

China

Map the Data



Play with the Map



Merging Data and Tables

×

Merge: Confirm source of match

This table

camis ▾

40370146
40391659
40393474
40570278
40697315
40697311
40722665
50000544
40799399
41130934

inspections

camis ▾

40363098
40367790
40367829
40369535
40369724
40369782
40369915
40370146
40370356
40370781

Matching values in these two columns will create the merged table. [Learn more](#)

Cancel

Previous

Next

×

Merge: Choose columns

All ▾

Q

11 columns

Select [all](#) [none](#)

☒ name

☒ building

☒ street

☒ zipcode

☒ phone

☒ camis

☒ addresss

☒ Inspection_date

☒ action_code

☒ score

Cancel

Previous

Merge

Summarising Data with Fusion Tables

Change map feature styles

Points

Marker icon

Polygons

Fill color

Border color

Border width

Lines

Line color

Line width

Legend

Automatic legend

Map marker icons

Fixed

Column

Buckets

Divide into

Custom

buckets

Column

score

0 - 67

[use this range](#)

+		0.0	up to 14.0	<div></div>
+	-	14.0	up to 28.0	<div></div>
+	-	28.0	up to 50.0	<div></div>
+	-	50.0	up to 68.0	<div></div>
		68.0		

Save

Cancel

Publishing the Map

×

Publish

This table is private and will not be visible. [Change visibility](#)

Send a link in email or IM

```
https://fusiontables.google.com/embedviz?q=select+col6%3E%3E0+from+1jJxVTNuPQ0/
```

Paste HTML to embed in a website

```
<iframe width="500" height="300" scrolling="no" frameborder="no" src="https://fusiontable
```

Width Height

► Get HTML and JavaScript

Google Fusion Tables

- A Powerful Data Munging and Visualisation Environment
- Search both Google and User Contributed Datasets
- Parse and Format Web Accessible data
- What are the limitations?
- What are the dangers?

Upcoming Seminars

- 26 October - Sharing Your Digital Projects and Data
- 7 December - Thinking About, Building and Imagining Your Project's Goals from a User's Perspective - Conceiving and Developing Your Digital Project
- 25 January - Analysing and Presenting Temporal, Spatial and Relational Data
- 15 February - Mapping Time and Space using OKFN's TimeMapper



Thanks

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