



CASE ONE

**The Guardian Datablog's
coverage of the UK Riots**



The Guardian Datablog's coverage of the UK Riots

Make data into a map

During the summer of 2011 the UK was hit by a wave of riots. The newspaper extensively used data journalism to enable the public to better understand who was doing the looting and why. You can see the original story end product here:

<http://www.theguardian.com/news/datablog/interactive/2011/aug/09/uk-riots-incident-map>

We are going to reconstruct the story step by step:

- Type of Data Visualization:** Map.

- Tools We Use:** Google Fusion Tables (For dealing with data)
bolg.com (For publishing the map)

- Original Data:**

1. Go to the original website:

<http://www.theguardian.com/news/datablog/interactive/2011/aug/09/uk-riots-incident-map>

2. Go to ***“Download it as a Google Fusion Table”***

3. Then you will see the data opened in Google Fusion Table.

4. Click ***“File”*** and then ***“Download”*** to download the data as csv.



Create the map

Step 1 Import the data

About Fusion Tables


Bust your data out of its silo!
Get more from data with Fusion Tables.

Fusion Tables is an experimental data visualization web application to gather, visualize, and share data tables.

CREATE A FUSION TABLE

GET THE DRIVE APP

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](#) .

Two tables are better than one! [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.
- Offer developers an API, instantly!

-
1. Go to the main page of “Google Fusion Tables”:
<https://support.google.com/fusiontables/answer/2571232>
 2. Click “CREATE FUSION TABLE” button
-



Create the map

Step 1 Import the data

Import new table

From this computer Choose File No file chosen

Google Spreadsheets

Create empty table

You can upload spreadsheets, delimited text files (.csv, .tsv, or .txt), and Keyhole Markup Language files (.kml) [Learn more](#)

Or search public data tables

Cancel « Back Next »

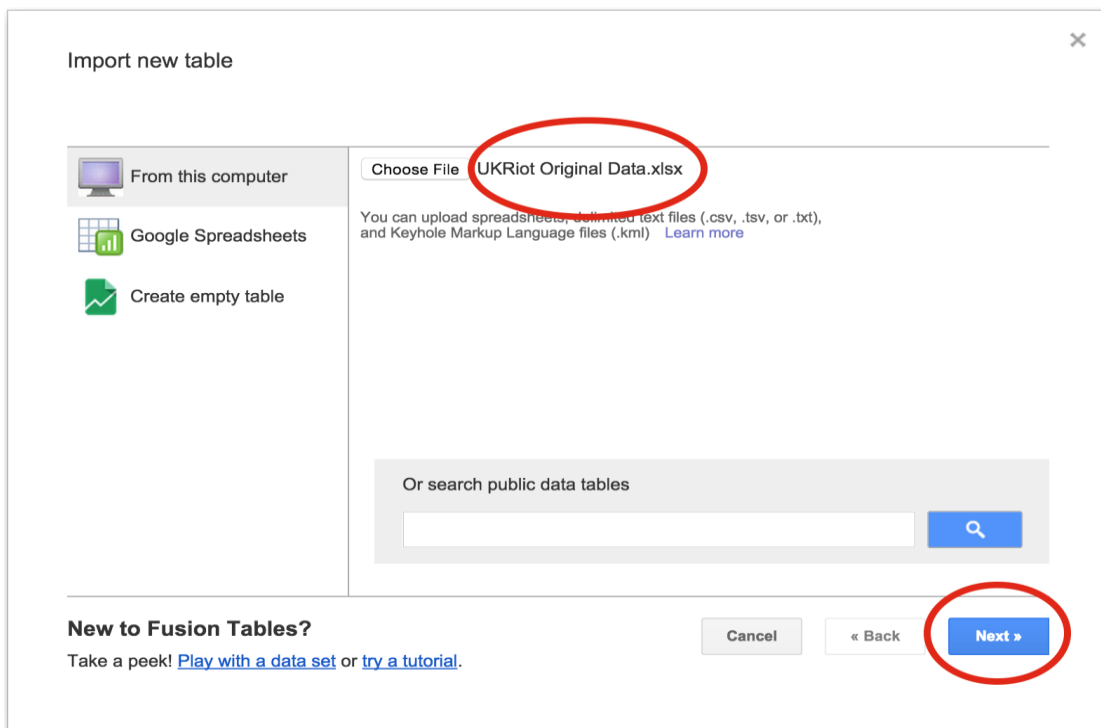
New to Fusion Tables?
Take a peek! [Play with a data set](#) or [try a tutorial](#).

- 3. After step 2, we come to the “Import new table” page, we **choose** “From this computer” and **click** “Choose File” button. Choose “UKRiot Original Data.xlsx” you downloaded before.



Create the map

Step 1 Import the data



After importing successfully, you will see the file name right after the “Choose File” button, then **click** “Next”.



Create the map

Step 1 Import the data

Import new table

Column names are in row

1

1	Time (Appr... if known)	Date	Day (from noon to 6am)	Place	Locat... details	Local autho...	What happ...	Source
2	18:15:...	August 4, 2011	Thurs...	Minicab	Ferry Lane, junction with Jarrow Road, Totten... H...	Harin...	29-year-old father of four Mark Duggan shot by pol...	Met Police press office
3	17:30:...	August 6, 2011	Satur...	Totten... Police Station	398 High Rd, Harin... London	Harin...	Peace... protest begins, consis... of local	

Rows before the header row will be ignored.

New to Fusion Tables?

Take a peek! [Play with a data set](#) or [try a tutorial](#).

Cancel

« Back

Next »

4. Then we come to this page, and **click** “Next”. For this case, we don’t need to modify the table we imported in.



Create the map

Step 1 Import the data

Import new table

Table name

UKRiot Original Data

Allow export

☒ ?

Attribute data to

?

Attribution page link

Description

Imported at Sun Aug 02 06:06:55 PDT 2015 from UKRiot Original Data.xlsx.

For example, what would you like to remember about this table in a year?

New to Fusion Tables?

Take a peek! [Play with a data set](#) or [try a tutorial](#).

Cancel

« Back

Finish

5. Click “Finish”.



Create the map

Step 2: Visualize data with map

UKRiot Original Data

Imported at Sun Aug 02 06:08:55 PDT 2015 from UKRiot Original Data.xlsx.
Edited at 9:08 PM

sweetz@connect.hku.hk

Share

File Edit Tools Help Rows 1 Cards 1 Map of Local...

Filter No filters applied Saved

1-100 of 245

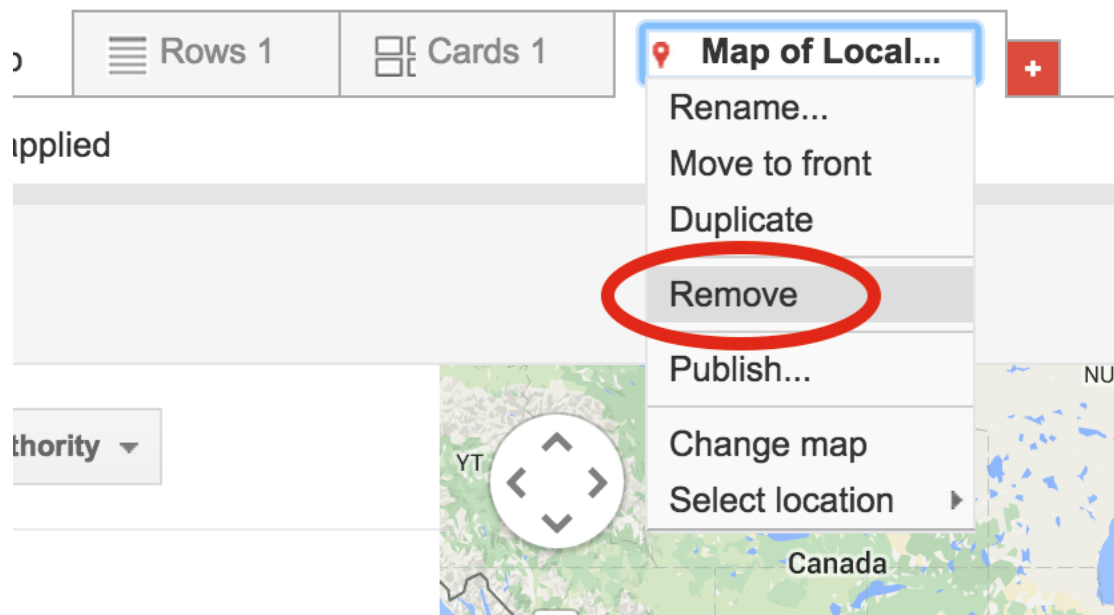
Time (Approx), if known	Date	Day (from noon to 6am)	Place	Location details	Local authority	What happened?	Source	Picture links	Icon name
18:15:00	August 4, 2011	Thursday	Minicab	Ferry Lane, junction with Jarrow Road, Tottenham Hale, N15	Haringey	29-year-old father of four Mark Duggan shot by police	Met Police press office		capital_small
17:30:00	August 6, 2011	Saturday	Tottenham Police Station	398 High Rd, Haringey, London N17 9JA	Haringey	Peaceful protest begins, consisting of local residents, community leaders, and some of Mark Duggan's relatives			placemark_circle
20:30:00	August 6, 2011	Saturday	Tottenham Police Station	398 High Rd, Haringey, London N17 9JA	Haringey	Rioters broke through police ranks and attempted to storm Tottenham's police station, pelting officers with bricks, bottles and eggs. As a police helicopter flew over Tottenham High Road, youths in masks and hoods added combustible material to two	Live blog		placemark_circle

1. After importing data, you will see the following page: we could see that it already has a map with it, so we need to delete it first.



Create the map

Step 2: Visualize data with map



Click the reverse little gray triangle right after the “map of location” and then clicks “remove”.



Create the map

Step 2: Visualize data with map

UKRiot Original Data
Imported at Sun Aug 02 06:06:55 PDT 2015 from UKRiot Original Data.xlsx.
Edited at 9:14 PM

File Edit Tools Help Rows 1 Cards 1

Filter No filters applied 1-100 of 245

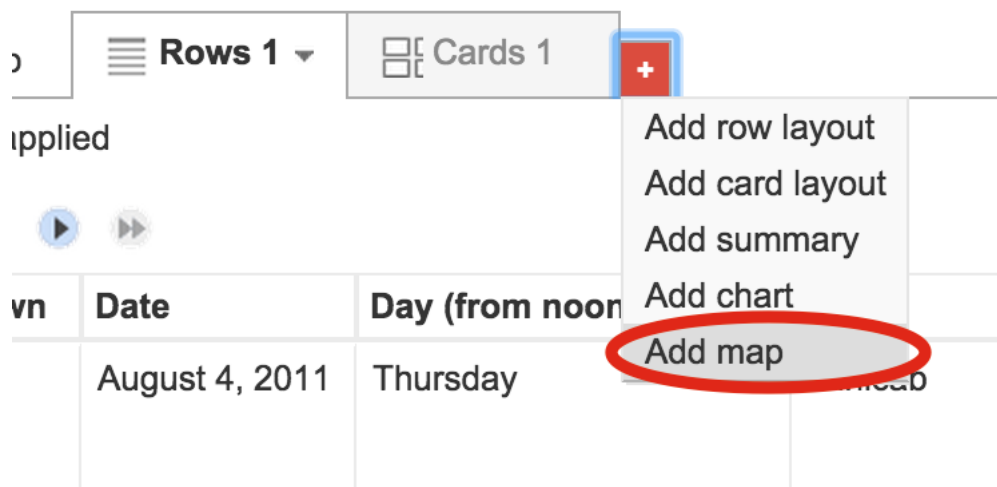
Time (Approx), if known	Date	Day (from noon to 6am)	Place	Location details	Local authority	What happened?
18:15:00	August 4, 2011	Thursday	Minicab	Ferry Lane junction with Jarrow Road, Tottenham Hale, N15	Haringey	29-year-old father of four Mark Duggan shot by police
17:30:00	August 6, 2011	Saturday	Tottenham Police Station	398 High Rd, Haringey, London N17 9JA	Haringey	Peaceful protest begins, consisting of local residents, community leaders, and some of Mark Duggan's relatives
20:30:00	August 6, 2011	Saturday	Tottenham Police Station	398 High Rd, Haringey, London N17 9JA	Haringey	Rioters broke through police ranks and attempted to storm Tottenham's police station, pelting officers with bricks, bottles and eggs. As a police helicopter flew over Tottenham High Road, youths in masks and hoods added combustible material to two

2. Click “Rows 1” to go back to the data table, for creating the map, we need to geographical information. We could see from the table that we have a row name called “Location details”, we could build the map directly.



Create the map

Step 2: Visualize data with map

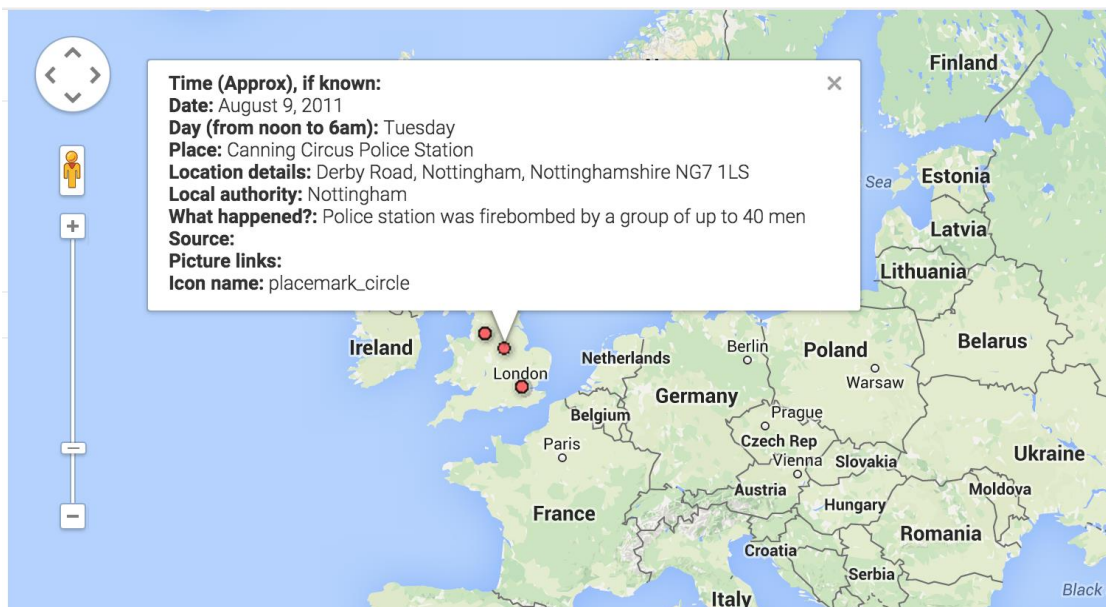


3. **Click** the red “add” button right after the “Card 1” and **click** “Add map” to add a map.



Create the map

Step 2: Visualize data with map

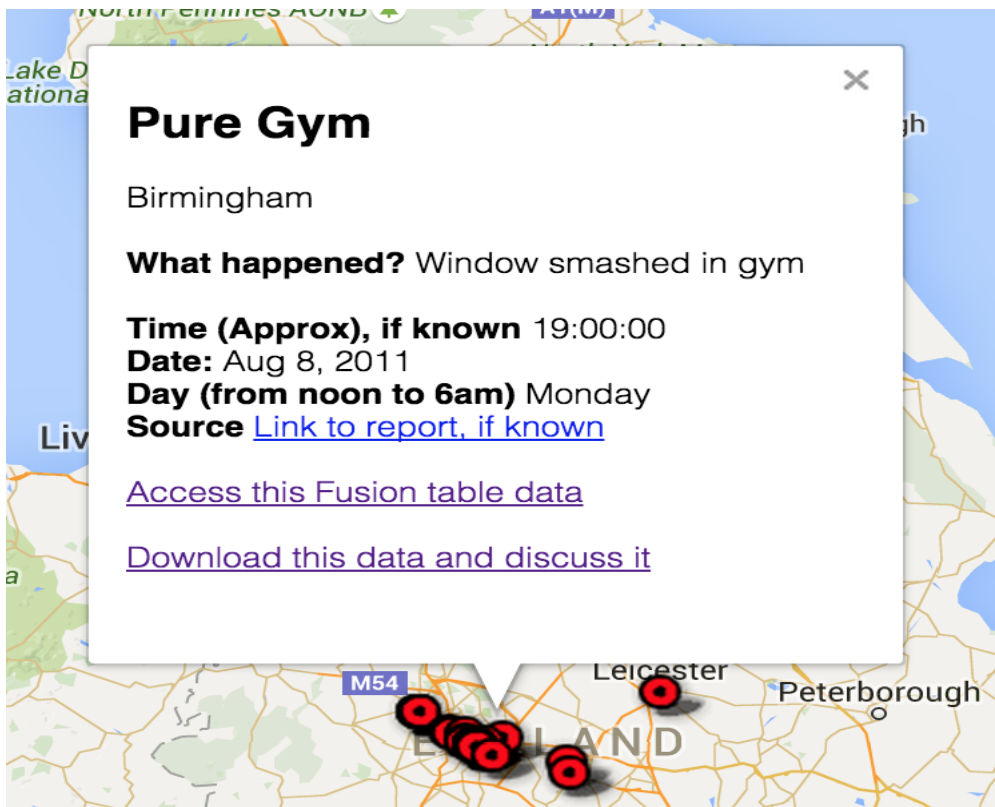


4. Then we could see the red dots that represent the location in UK. Single click on it, you will see the details about the riots that happened in the location.



Create the map

Step 2: Visualize data with map



But if we open the original map produced by the author, we could see that the format of the details is as follows which is different from ours, so we need to modify the map.



Create the map

Step 2: Visualize data with map

UKRiot Original Data

Imported at Sun Aug 02 06:06:55 PDT 2015 from UKRiot Original Data.xlsx.
Edited at 9:14 PM

File Edit Tools Help Rows 1 Cards 1 Map 1

Filter No filters applied

Configure map

Location Local authority

Feature map

Change feature styles...

Change info window...

Heatmap

Time (Approx), if known:
Date: August 9, 2011
Day (from noon to 6am): Tuesday
Place: Sainsburys
Location details: 130-136 Deansgate Manchester M3 2GQ
Local authority: Manchester
What happened?: Supermarket looted
Source: Agency reports
Picture links:
Icon name: placemark_circle

5. On the left of the map, click the “Change info window” button.



Create the map

Step 2: Visualize data with map

Change info window layout

[Automatic](#) **Custom**

Write the HTML for your info window with column placeholders like {column name}. [Learn more](#)

Time (Approx), if known	<div class='google-info-window'>
Date	Time (Approx), if known: {Time (Approx), if known}
Day (from noon to 6am)	Date: {Date}
Place	Day (from noon to 6am): {Day (from noon to 6am)}
Location details	Place: {Place}
Local authority	Location details: {Location details}
What happened?	Local authority: {Local authority}
Source	What happened?: {What happened?}
Picture links	Source: {Source}
Icon name	Picture links: {Picture links}
	Icon name: {Icon name}
	</div>

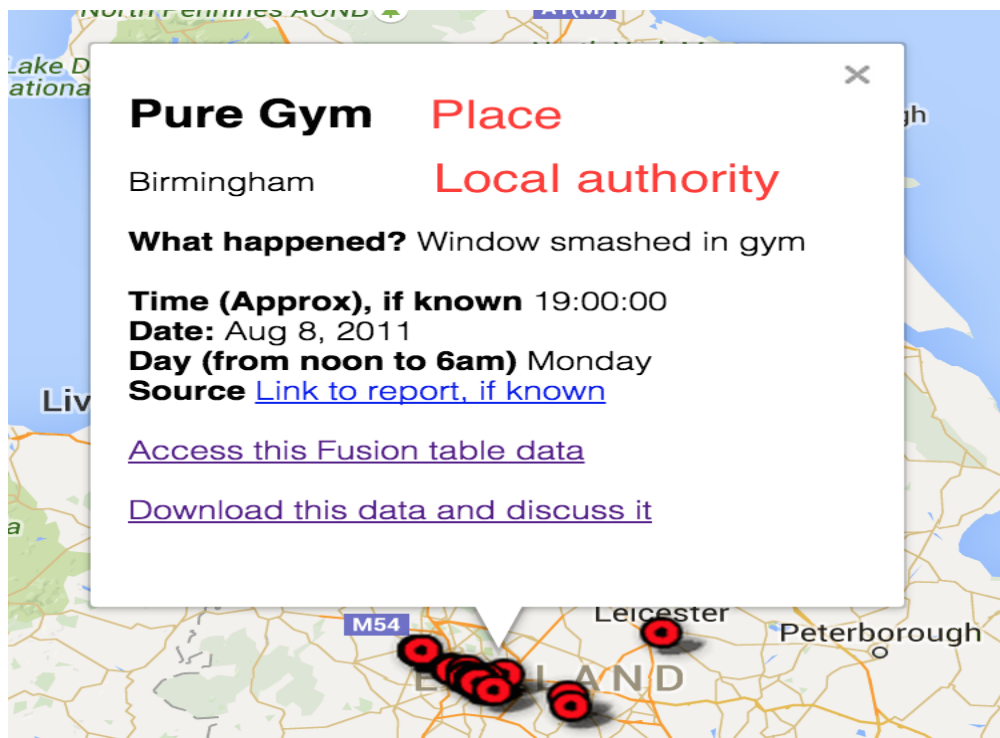
[Save](#) [Cancel](#)

6. On this page, click “custom”, then we could modify the map by changing some of the codes here. We use html to change the information.



Create the map

Step 2: Visualize data with map

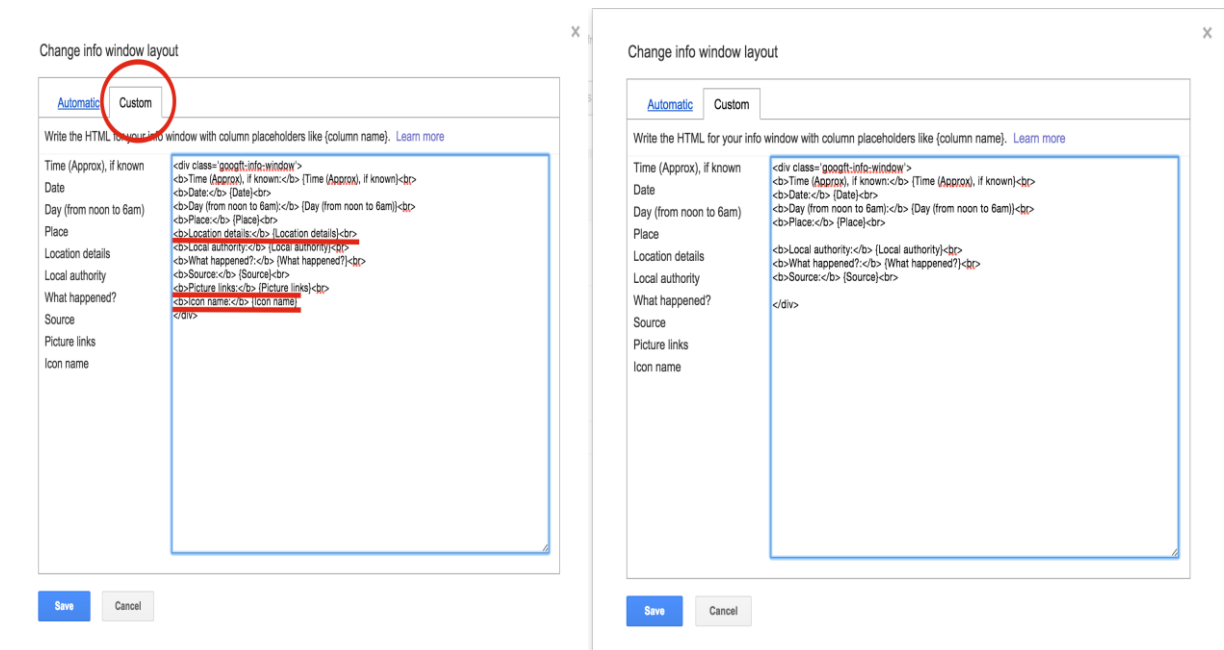


7. For original map, we don't need "Location details", "Picture links" and "Icon name" element, so we **delete** the rows including these 3 lines first. Remember to **click** "save" button on the left bottom corner after each change. Here is an example of the original map.



Create the map

Step 2: Visualize data with map



After modification, we could see the result like this.



Create the map

Step 2: Visualize data with map

Change info window layout

Automatic

Custom

Write the HTML for your info window with column placeholders like {column name}. [Learn more](#)

Time (Approx), if known	<div class='googft-info-window'>
Date	<h2>
Day (from noon to 6am)	{Place}
Place	</h2>
Location details	Time (Approx), if known: {Time (Approx), if known}
Local authority	Date: {Date}
What happened?	Day (from noon to 6am): {Day (from noon to 6am)}
Source	Local authority: {Local authority}
Picture links	What happened?: {What happened?}
Icon name	Source: {Source}
	</div>

So the codes we modified is as follows: we add the first 3 lines of codes and delete the “place” line in blue. “
” means the next element coming after the head is in next line.



Create the map

Step 2: Visualize data with map

Change info window layout ×

[Automatic](#) Custom

Write the HTML for your info window with column placeholders like {column name}. [Learn more](#)

Time (Approx), if known	<pre><div class='googft-info-window'> <h2> {Place}
 </h2> Time (Approx), if known: {Time (Approx), if known}
 Date: {Date}
 Day (from noon to 6am): {Day (from noon to 6am)}
 Place: {Place}
 Local authority: {Local authority}
 What happened?: {What happened?}
 Source: {Source}
 </div></pre>
Date	
Day (from noon to 6am)	
Place	
Location details	
Local authority	
What happened?	
Source	
Picture links	
Icon name	

Save

Cancel

8. From the original map, we could see that the head of the card is the content of “place” element in original data, it is bolded and larger than the following information on the card. So for html, we use tag `<h2>` to represent the head information and `` to represent bold font. Remember, for every html tag, we need a corresponding `</>` tag with it.



Create the map

Step 2: Visualize data with map

The image shows a Google Maps info window for a location in Manchester. On the left, the HTML code for the info window is displayed. A red circle highlights the `<p>` tag and the `{Local authority}` placeholder. On the right, the rendered map shows the info window with the text "Sainsburys" and "Manchester" circled in red. Below these, the following details are listed: "Time (Approx), if known:", "Date: August 9, 2011", "Day (from noon to 6am): Tuesday", "Local authority: Manchester", "What happened?: Supermarket looted", and "Source: Agency reports".

```
<div class='googft-info-window'>  
  
<p><h2>  
<b>{Place}</b><br>  
</h2>  
</p>  
  
<p>  
<b>{Local authority}</b>  
</p>  
  
<b>Time (Approx), if known:</b> {Time (Approx), if known}<br>  
<b>Date:</b> {Date}<br>  
<b>Day (from noon to 6am):</b> {Day (from noon to 6am)}<br>  
  
<b>Local authority:</b> {Local authority}<br>  
<b>What happened?:</b> {What happened?}<br>  
<b>Source:</b> {Source}<br>  
  
</div>
```

Sainsburys
Manchester

Time (Approx), if known:
Date: August 9, 2011
Day (from noon to 6am): Tuesday
Local authority: Manchester
What happened?: Supermarket looted
Source: Agency reports

9. Then we comes to the next element “Local authority”, we could see that this one is not in bold font and between it with the “head”, there is a space line. In html, tag `<p>` represents the start of a paragraph and the other elements will start after a space line with it. See the result on the right.



Create the map

Step 2: Visualize data with map

```
<div class='googft-info-window'>
```

```
<p><h2>  
<b>{Place}</b> <br>  
</h2>  
</p>
```

```
<p>  
{Local authority}  
</p>
```

```
<p><b>What happened?:</b> {What happened?}<br> </p>  
<b>Time (Approx), if known:</b> {Time (Approx), if known}<br>|  
<b>Date:</b> {Date}<br>  
<b>Day (from noon to 6am):</b> {Day (from noon to 6am)}<br>
```

```
<b>Local authority:</b> {Local authority}<br>
```

```
<b>Source:</b> {Source}<br>
```

```
</div>
```

Sainsburys

Manchester

What happened?: Supermarket looted

Time (Approx), if known:

Date: August 9, 2011

Day (from noon to 6am): Tuesday

Local authority: Manchester

Source: Agency reports

10. Then we copy the “what happened?” line before the “time” line and add `<p>` tag to the “what happened” line. See the result on the right.



Create the map

Step 2: Visualize data with map

```
<div class='googft-info-window'>
```

```
<p><h2>  
<b>{Place}</b> <br>  
</h2>  
</p>
```

```
<p>  
{Local authority}  
</p>
```

```
<p><b>What happened?:</b> {What happened?}<br> </p>  
<b>Time (Approx), if known:</b> {Time (Approx), if known}<br>|  
<b>Date:</b> {Date}<br>  
<b>Day (from noon to 6am):</b> {Day (from noon to 6am)}<br>
```

```
<b>Local authority:</b> {Local authority}<br>
```

```
<b>Source:</b> {Source}<br>
```

```
</div>
```

Sainsburys

Manchester

What happened?: Supermarket looted

Time (Approx), if known:

Date: August 9, 2011

Day (from noon to 6am): Tuesday

Local authority: Manchester

Source: Agency reports

11. Finally, let's add the last three elements:



Create the map

Step 2: Visualize data with map

```
<div class='googft-info-window'>

<p><h2>
<b>{Place}</b> <br>
</h2>
</p>

<p>
{Local authority}
</p>

<p><b>What happened?:</b> {What happened?}<br> </p>
<b>Time (Approx), if known:</b> {Time (Approx), if known}<br>
<b>Date:</b> {Date}<br>
<b>Day (from noon to 6am):</b> {Day (from noon to 6am)}<br>
|
<b>Source</b> <a href= "{Source}">Link to report, if known</a><br>
<p> <a href="https://www.google.com/fusiontables/data?
docid=1QofNvzy3449hi4X4cylwfPzJm82KtkivVm4T8qjZ#rows:id=1"> Access this Fusion table
data </a> </p>
<p> <a href="http://www.theguardian.com/news/datablog/2011/aug/09/uk-riots-incident-listed-
mapped#data"> Download this data and discuss it </a> </p>

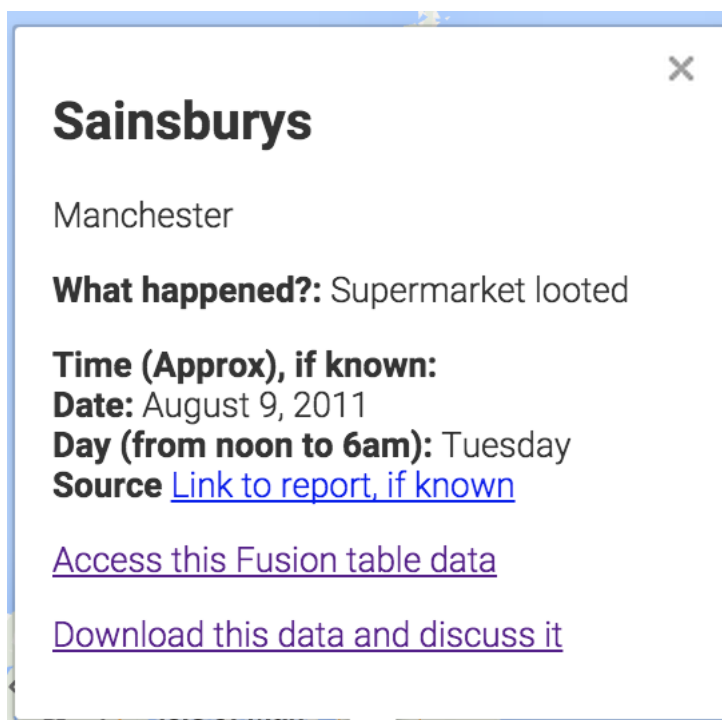
</div>
```

11. Finally, let's add the last three elements:



Create the map

Step 2: Visualize data with map



We can see the result like this.



Create the map

Step 2: Visualize data with map

Sharing settings

Link to share (only accessible by collaborators)

<https://www.google.com/fusiontables/DataSource?docid=1QofNvzy3449hi4X4cylwfPz>

Who has access

	Private - Only you can access	Change...
	Tianyi ZHANG (you) sweetz@connect.hku.hk	Is owner

Invite people:

Enter names or email addresses...

Can edit ▾

Owner settings [Learn more](#)

☐ Prevent editors from changing access and adding new people

[Done](#)


12. Click “save” button on the left bottom and the “done” button on the right top corner. And “share” button on the right top corner. (You **must share** the map before publishing it)





Create the map


Step 2: Visualize data with map


Link sharing

☒  **On - Public on the web**
Anyone on the Internet can find and access. No sign-in required.

☐  **On - Anyone with the link**
Anyone who has the link can access. No sign-in required.

☐  **On - The University of Hong Kong**
Anyone at The University of Hong Kong can find and access.

☐  **On - Anyone at The University of Hong Kong with the link**
Anyone at The University of Hong Kong who has the link can access.

☐  **Off - Specific people**
Shared with specific people.

Access: Anyone (no sign-in required) Can view

You need to set the the map as “Public on the web” then you can publish it.



Create the map

Step 3: Publish the story

UKRiot Original Data
Imported at Wed Sep 02 07:51:54 PDT 2015 from UKRiot Original Data.xlsx.
Edited at 10:52 PM

File Edit **Tools** Help Rows 1 Cards 1 Map of Local...

Filter Publish... Summarize... Select columns...

Time (App...		Day (from noon to 6am)	Place	Location details	Local authority
18:15:00	August 4, 2011	Thursday	Minicab	Ferry Lane, junction with Jarrow Road, Tottenham Hale, N15	Haringey
17:30:00	August 6, 2011	Saturday	Tottenham Police Station	398 High Rd, Haringey, London N17 9JA	Haringey

-
1. Click “tool” and then “publish” (you need to share the map first before doing the publish)
-



Create the map

Step 3: Publish the story

Publish

Send a link in email or IM

<https://www.google.com/fusiontables/embedviz?g=select+col5+from+147DEDGcZS3juna>

Paste HTML to embed in a website

<iframe width="500" height="300" scrolling="no" frameborder="no" src="https://www.goo

Width Height

▶ Get HTML and JavaScript

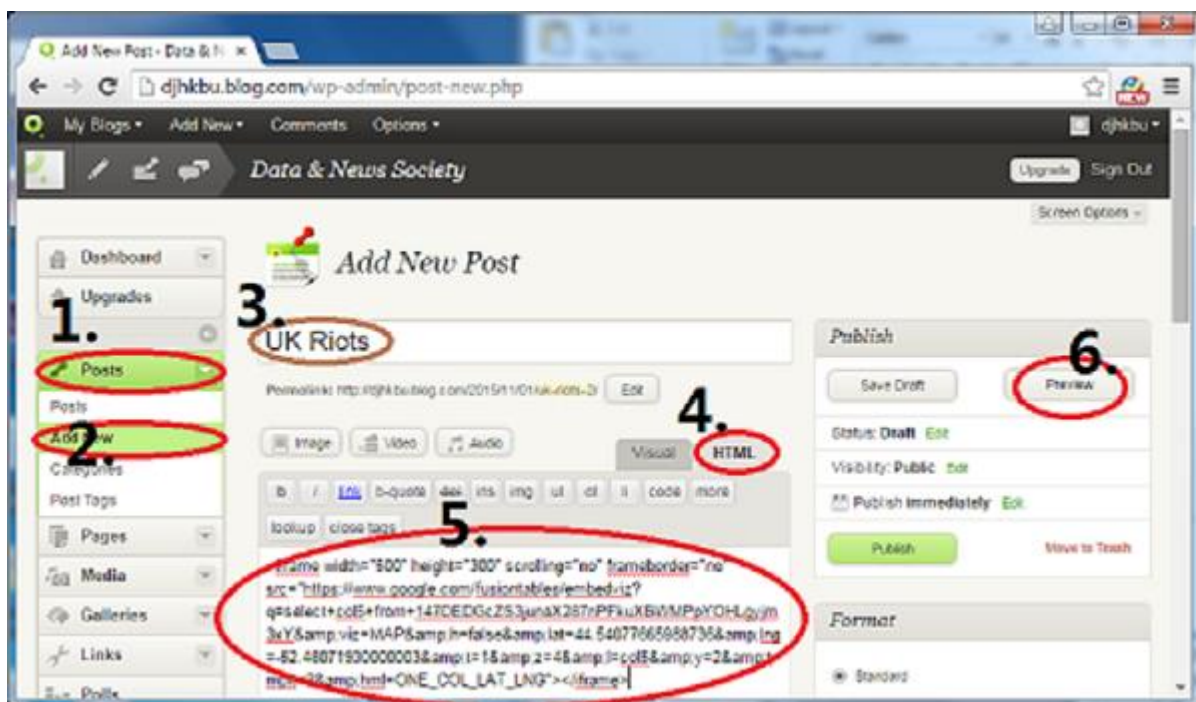
▶ Publish HTML and JavaScript to Google Drive

2. Then choose “Paste HTML to embed in a website” and copy the codes .



Create the map

Step 3: Publish the story



-
3. Go to the website “blog.com”;
 4. You can **sign up first** if you don’t have an account;
 5. Sign in with the account (our account here is: djhkbu@gmail.com);
 6. Do like the screenshot above.
-



Create the map

Step 3: Publish the story

Eu l

UK Riots



This entry was posted in [Uncategorized](#) by [djhkbu](#) [Bookmark the permalink](#)

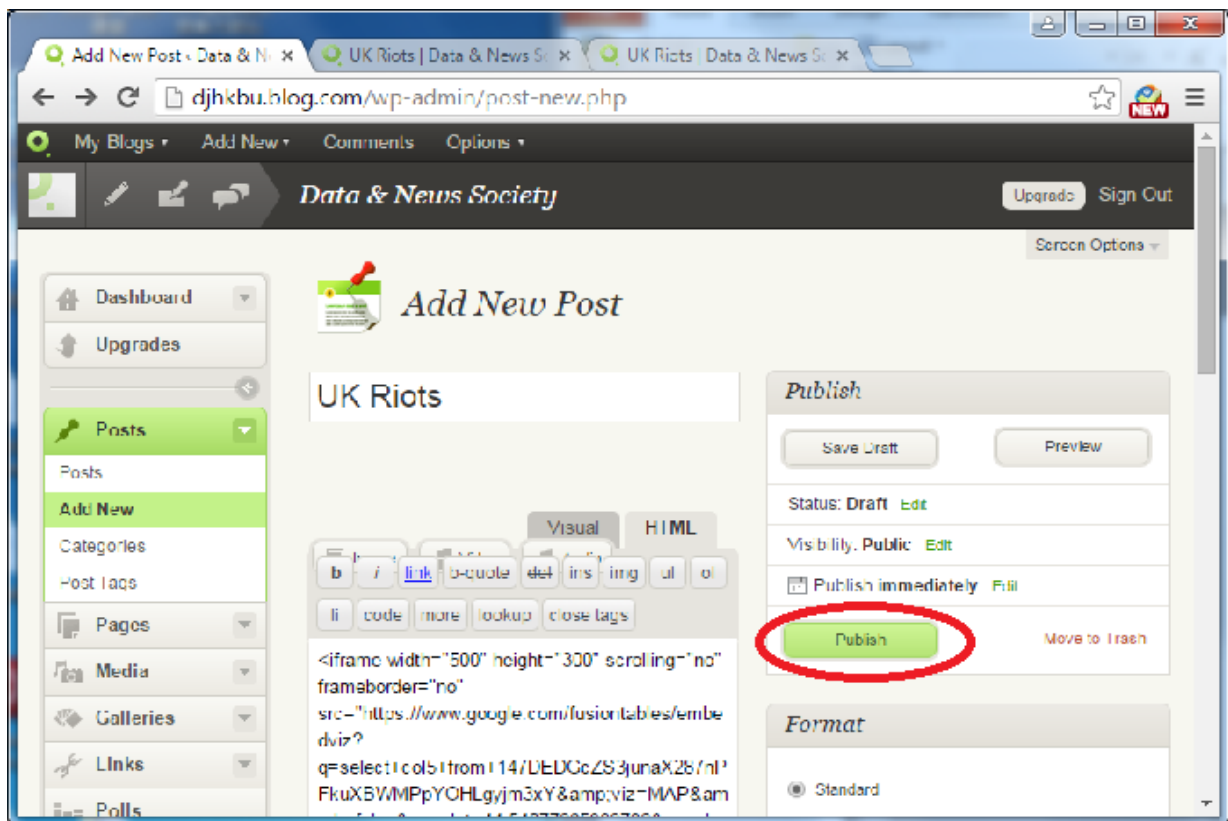
Comments are closed.

Then you will see the result like above.



Create the map

Step 3: Publish the story



If the page is correct, go back to click “**publish**”, and then view posts, you will see the published story made by you