

### 3<sup>rd</sup> Case Construction

#### Wikileaks' Afghanistan war logs

Original story:

<http://www.theguardian.com/news/datablog/2010/jul/27/wikileaks-afghanistan-data-datajournalism>

**Data** (For this story, we have 2 separated data files, 1 is summary and the other is the full list)

#### First Data Set (Summary)

1. Go to the original story;
2. Click ***“Get the overview data”***;
3. Click ***“DATA: download the summary data”***;
4. Click ***“File”*** and then ***“Download as”***.

#### Second Data Set (Full list)

5. Scroll the screen down to find the ***“The IED attacks data”***;
6. Clicks ***“Get the Data”***;
7. Click ***“DATA: IED explosions and ambushes”***.

Finally, you will have 2 data files ***“Wikileaks Afghanistan war logs analysis”***(Summary) and ***“ExplodedIED”*** (Full list).

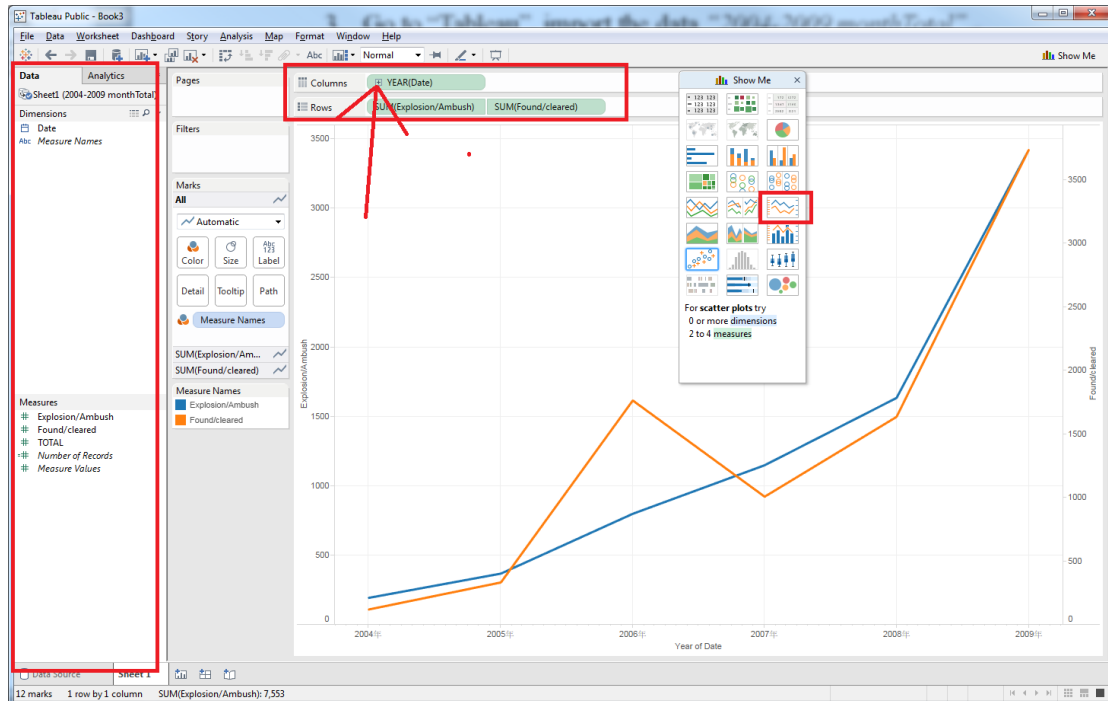
#### Reconstruction:

##### 1<sup>st</sup> visualization: IED exploded and cleared (Using summary data)

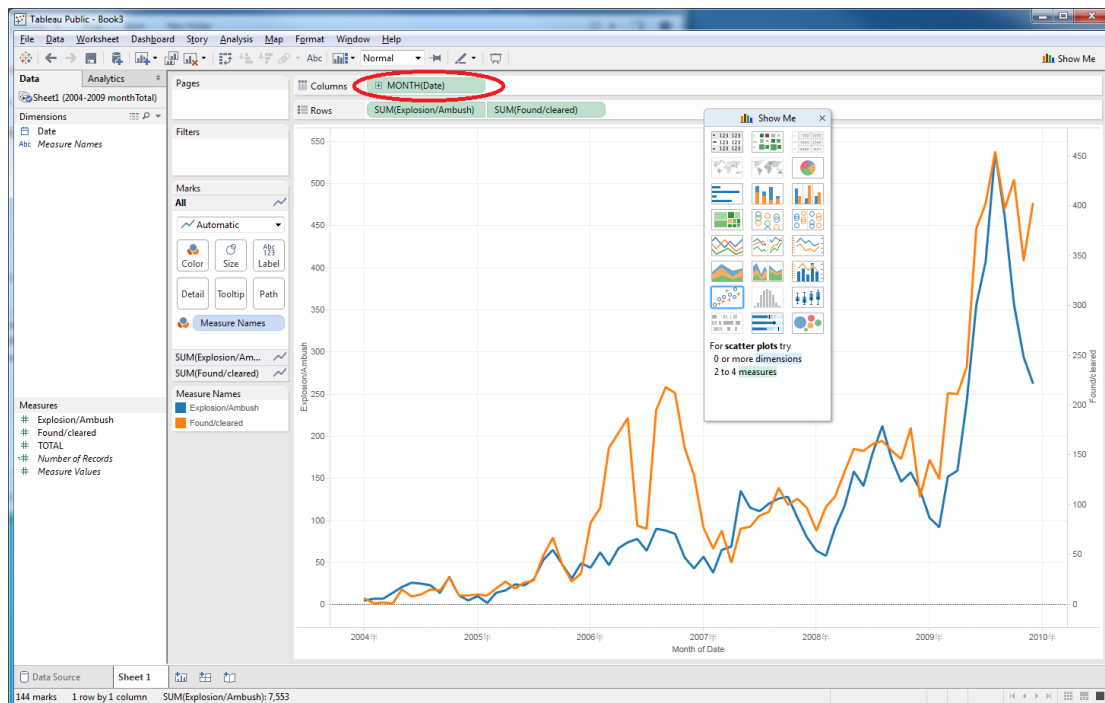
1. Dissociate data with month info from ***“IED ATTACKS”*** (*IED here stands for “Improvised Explosive Device”*) and name it ***“2004-2009 monthTotal”***.
2. Modify the “Year” and “Month” data like below:

A	B	C	D
Date	Explosion/Ambush	Found/cleared	TOTAL
Jan-04	5	6	11
Feb-04	7	1	8
Mar-04	7	2	9
Apr-04	14	1	15
May-04	21	15	36
Jun-04	26	8	34
Jul-04	25	10	35
Aug-04	23	15	38
Sep-04	14	14	28
Oct-04	33	27	60
Nov-04	11	9	20
Dec-04	5	9	14
Jan-05	10	10	20
Feb-05	2	9	11
Mar-05	14	16	30
Apr-05	17	23	40
May-05	24	16	40
Jun-05	23	22	45
Jul-05	30	24	54
Aug-05	53	49	102

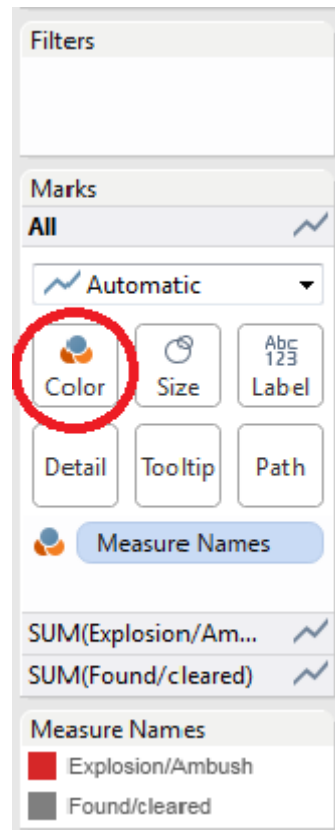
3. Go to “Tableau”, import the data “2004-2009 monthTotal”.
4. Drag information like below” and choose “dual lines” to visualize the data. But you could see that there is an “add” sign beside the “YEAR” which means that the lines show the variation between years.



5. Then you need to click the “add” sign twice until it represents monthly variation.



6. You may be curious about how to change color of the lines. Choose “Color” and then “Edit color”, then you can modify it as you like.

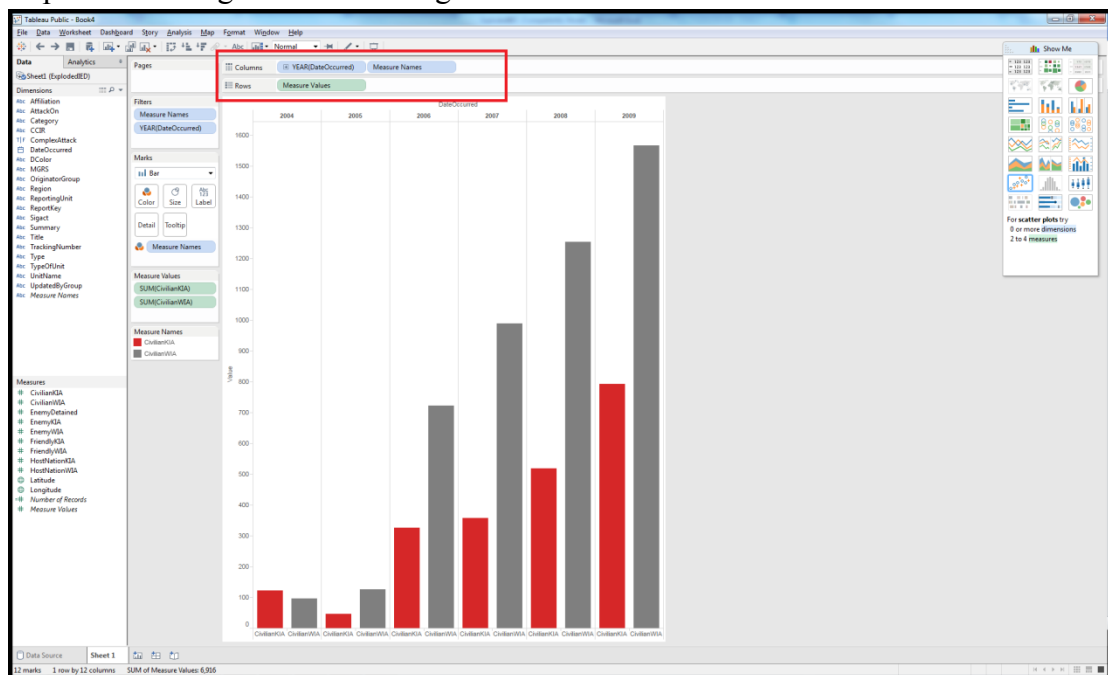


**2nd visualization: Civilian victims of IEDs measured by the database.  
(Using full list data)**

1. Open the data “ExploredIED” using Excel, if the column “DataOccurred” has info like “#####”, then choose the whole column and change its format as “Date” like below:

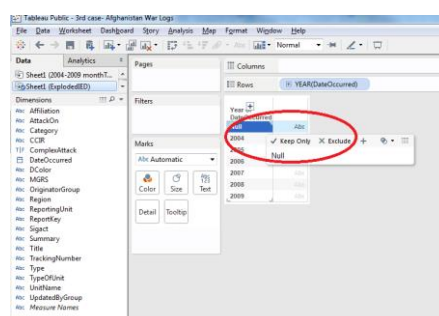
B1 DateOccurred					
	A	B	C	D	E
1	ReportKey	DateOccurred	Type	Category	TrackingNumber
2	7AEE1FD6-4	4/1/2004	Explosive Hazard	IED Explosion	2007-033-005354-
3	99AA5C2F-2	6/1/2004	Explosive Hazard	IED Explosion	2007-033-005356-
4	F0E77B28-F	6/1/2004	Explosive Hazard	IED Explosion	2007-033-005356-
5	D61E2F11-3	25/1/2004	Explosive Hazard	IED Explosion	2007-033-005407-
6	6B9D2340-1	26/1/2004	Explosive Hazard	IED Explosion	2007-033-005353-

- Import data using “Tableau”. Drag like below. Rename the sheet as “Civilian”.



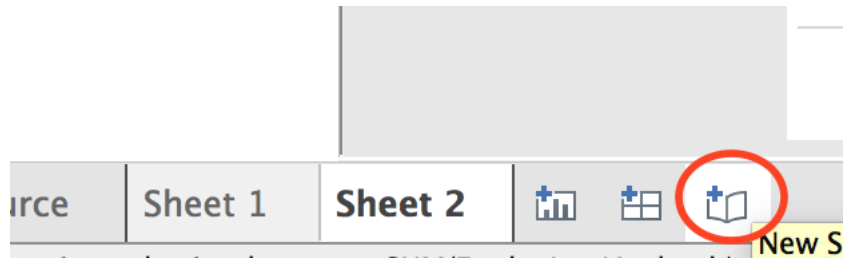
## Remarks:

If you have null rows like below, you need to exclude it.

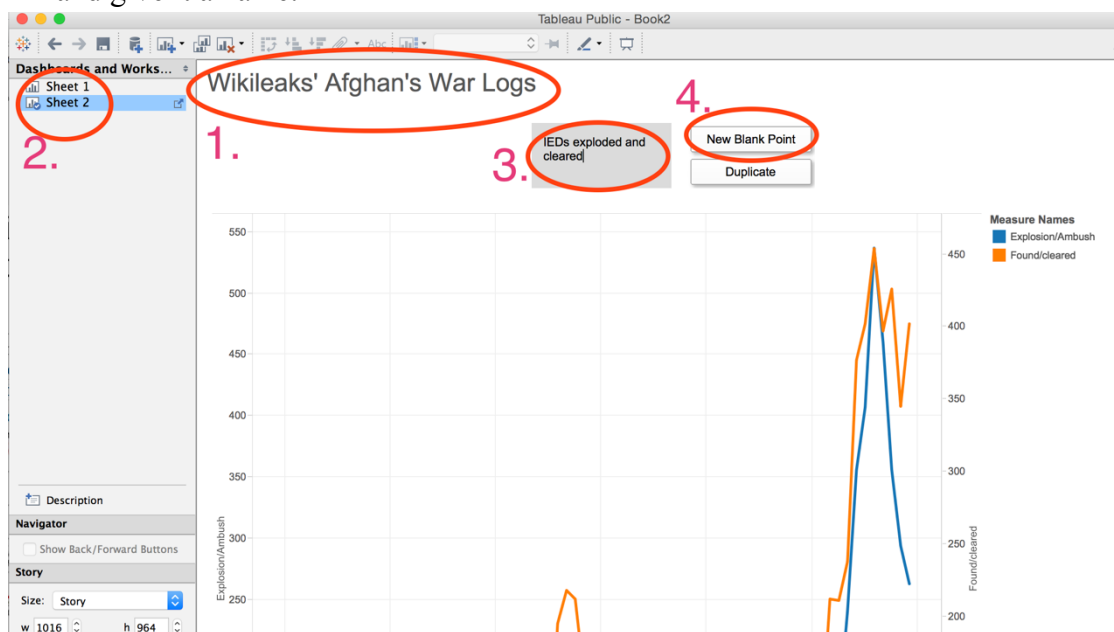


## Publish Tableau Visualization:

1. Click “Add a story”;



2. Then in the story board, do like the following screenshot:
  - 1) First, you could edit your story's name;
  - 2) Then you drag the sheet into the storyboard;
  - 3) Third, you give your sheet a name;
  - 4) Finally, you click “new blank point” to add a new sheet into your story.
  - 5) Then you could do the same thing with the second sheet: drag the sheet and give it a name.



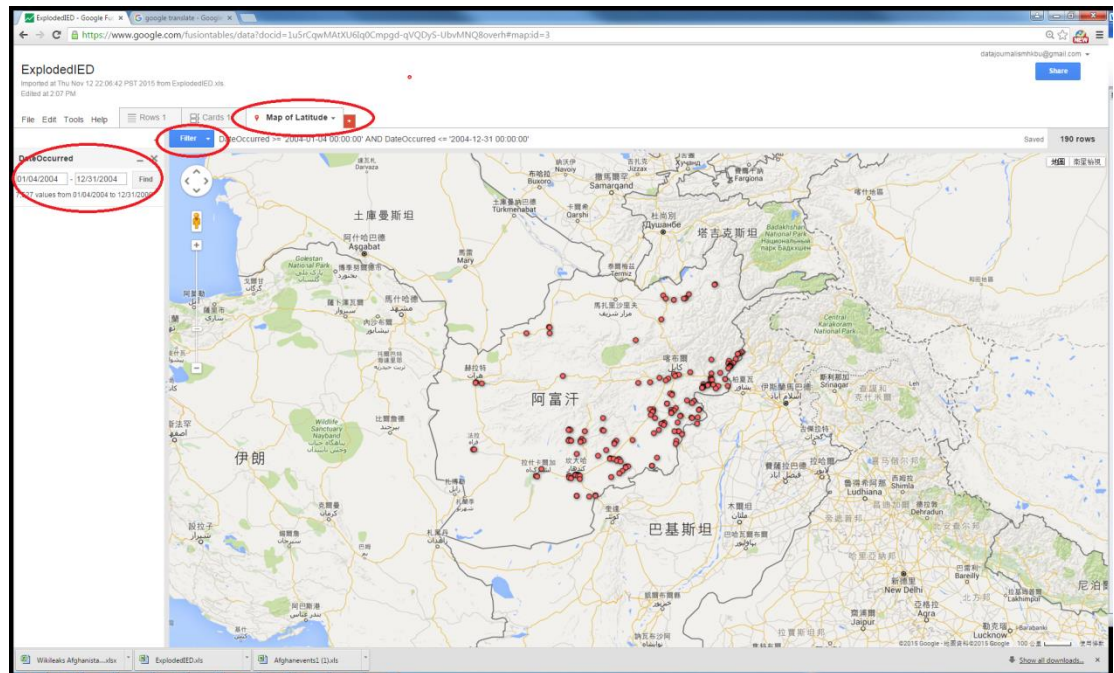
## 3rd Visualization: IED attacks year by year (Using Full List Data and Google Fusion Table)

**Why not Tableau?** Tableau Public doesn't support detailed district information or geocode within Afghan, while Google Fusion supports. Here is a link of the mapping basics of Tableau:

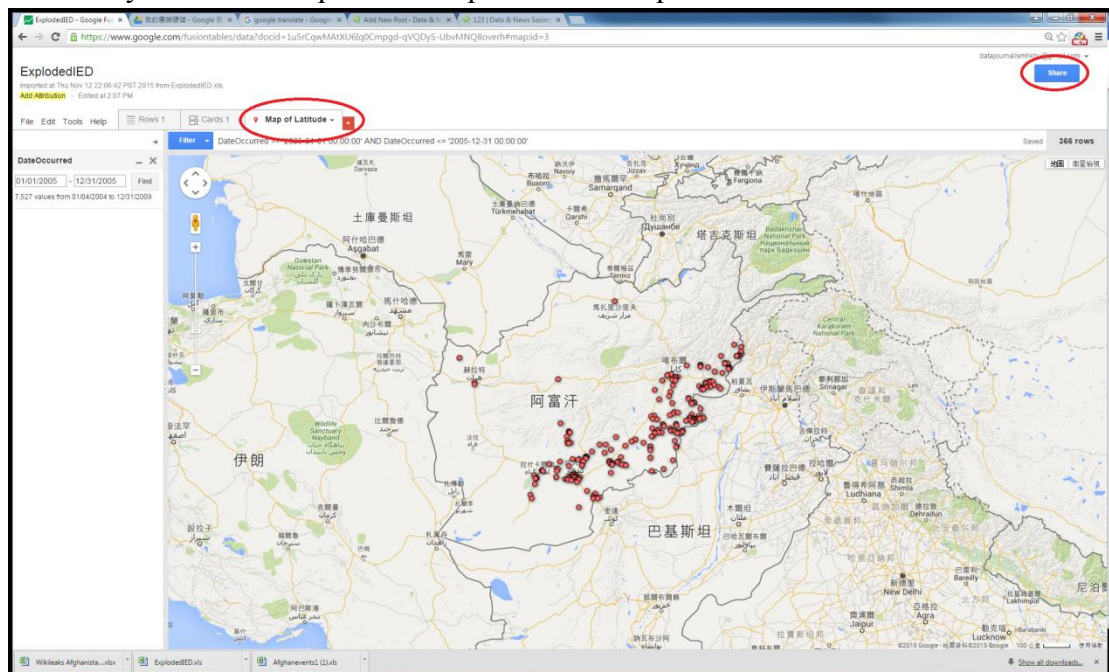
<http://kb.tableau.com/articles/knowledgebase/mapping-basics>

1. Import “ExplodedIED” data using Google Fusion Table.

2. Open the “map” tab, you will see the map automatically.
3. Click the “Filter” to find the events in the year “2004”.



4. Click “Done” on the top right corner, click “Share” to change the setting “public” and then you can click “publish” to publish the map.



5. Then you could use the filter to do the same thing with year 2005, 2006, 2007 and 2008, 2009.

**IMPORTANT:** After click “publish”, please copy the HTML codes and paste them into your blog.

**Here is an example of the published map:**

<http://djhkbu.blog.com/2015/11/13/ied-attacks-year-by-year/>

**Publish your visualization:**

As now we've not found a way to integrate the visualizations using different tools.  
We will have to publish the visualizations separately.

Please refer to the "Tableau" and "Google Fusion Table" tutorial for publishing the visualizations.