1. Submit Subpage:

In Submit subpage the user can submit the task for collecting tweets on the fly. There are four fields: key words, start Date, End Date and Location are supported. Start Date and End Date are required, the start date should be in the future, the initial value is 10 minutes after your load this page, meanwhile, the date range is supported maximum 30 days. Key words and Location fields are optional. **PLEASE READ SECITON 1.1 AND 1.2** before you use these two fields:

1.1. Keywords field:

A comma-separated list of phrases which will be used to determine what Tweets will be delivered on the stream. A phrase may be one or more terms separated by spaces, and a phrase will match if all of the terms in the phrase are present in the Tweet, regardless of order and ignoring case. By this model, you can think of commas as logical ORs, while spaces are equivalent to logical ANDs (e.g. 'the twitter' is the AND twitter, and 'the, twitter' is the OR twitter).

1.2. Location field:

A USA place name is specified to filter tweets by. Please use the typeahead list shown names to do this. Only geolocated Tweets falling within the requested location bounding boxes will be included. For example, keyword=twitter & location=San Francisco, would match any tweets containing the term Twitter **AND the user is** coming from the San Francisco area.

2. Search Subpage:

By default, this page shows the most recent 1000 tweets from last finished task, the newest tweet comes first. You can select the finished task from the task dropdown list. In the optional field, there are four fields: keywords, from date, to date and location. These four fields are used for secondary search among the tweets collected by this task. By default, the from date and to date are the start date and end date from the task, you can change it if you want. The keywords field has the same functionary as the one in submit subpage.

Searching the whole databases:

The first row allows user searching the databases.

Keywords: Multiple Keywords should be separated by comma

From Date: Start date. For example, 07/01/2016.

To Date: End data. For example, 07/30/2016.

Location: location filter.

Maximum search tweets limits: Truncated number of returned tweets. There is high probability that the submitted search query returns a large tweets back. It might slow down the client computer or crash the browser and takes long time to wait the server send it back.

Search Tweets button: click this button will submit the search query.

# of Tweets Returned: shows the number of returned tweets matched the query.

2.1 Column meanings:

In this page, you will see tweets like this:

Created_at: the time this tweet posts.

Text: the content of this tweet.

User name: twitter user name.

Screen name: user's screen name.

Location: user's location.

Place: user's place.

Tweet data has Place and Location two attributes store user's location, either one might be used.

2.2 Filter Return Tweets

You can use the Filter Return Tweets box in search subpage match any substring in the tweets. It's case non-sensitive. For example, search the word "USA" in search box brings back these:

The search box filters out the tweets that the text values of Create_at, text, user name, screen name or location contains "USA".

2.3 Multi-column Sorting

Each column has three states: sorted from low to high, sorted from high to low, unsorted. The initial state is unsorted. If you click the column name, the state changes in this order: unsorted, sorted from

low to high, sorted from high to low. For example, click location column name sorts location from low to high:

keywords	Created_at	text	user name	screen name	location ∨
Dallas cop shooting	Sun Jul 10 19:55:41 2016	RT @BFriedmanDC: On the Dallas police shooting. From a Dallas cop who was there. Definitely worth a read. https://t.co/XqrAliDPbK	Tina	KaraTStarbuck	#yeg
Dallas cop shooting	Sun Jul 10 20:08:29 2016	RT @BFriedmanDC: On the Dallas police shooting. From a Dallas cop who was there. Definitely worth a read. https://t.co/XqrAliDPbK	(((Maggy)))	Maggyw519	Beautiful Northwest USA
Dallas cop shooting	Sun Jul 10 19:54:13 2016	RT @instapundit: He doesn't even look black. https://t.co/CFduwx0dom	(((Charlie Martin)))	chasrmartin	Boulder CO
Dallas cop shooting	Sun Jul 10 19:56:24 2016	After Dallas Shooting, Black Cop Stuns America with a BRUTAL Announcement for BLM... https://t.co/4sJZt1sw3o	Jo Svarda	josvarda	California
Dallas cop shooting	Sun Jul 10 20:00:44 2016	After Dallas Shooting, Black Cop Confronts BLM with Raw Honesty and America Needs to See It https://t.co/6pNMam3XeQ via @youngcons	Bob Calvert	talkwithheroes	Colorado Springs
Dallas cop shooting	Sun Jul 10 19:51:41 2016	Hero cop covered man in Dallas shooting https://t.co/L7QpuvzYm5	bossy bobsgirl1	raniecep	Florida
Dallas cop shooting	Sun Jul 10 20:06:58 2016	After Dallas Shooting, Black Cop Stuns America with a BRUTAL Announcement for BLM... https://t.co/os5mJOvXlK	Matt Dylan	MustangSallyzMO	Marshall, Mo 660-831-5400
Dallas cop shooting	Sun Jul 10 20:01:34 2016	I go to sleep unsure how this nation survives - Father of Dallas cop: 'All this fighting, all this racism must stop' https://t.co/uHCT1faLGN	Ira Socol	irasocol	Michigan Ireland Virginia
Dallas cop shooting	Sun Jul 10 20:06:15 2016	@Rogerskolney Roger has no comment on this. He is a cop hater. https://t.co/lgh3LEZDAU	Terry Nelson	Sodjacket	Minnesota, USA
Dallas cop shooting	Sun Jul 10 19:57:02 2016	After Dallas Shooting, Black Cop Stuns America with a BRUTAL Announcement for BLM... https://t.co/VWUMMBw35R	The Tomdom Man	tcook97	Mount Isa Australia

Click location column name to sort from high to low:

keywords	Created_at	text	user name	screen name	location ∧
Dallas cop shooting	Sun Jul 10 19:58:32 2016	RT @katlivezey: After Dallas Shooting, Black Cop Confronts BLM with Raw Honesty https://t.co/KVVZNhOwsN @deray @BarackObama @potus https://...	Amy MAGA	amylt7215	
Dallas cop shooting	Sun Jul 10 20:05:02 2016	#Dallas Police Reveal #Robot Used to Kill Suspect in #Cop Shooting https://t.co/xkcrNkeAU9 https://t.co/D0CqlULtWY	newsAnglr Tech	techanglr	
Dallas cop shooting	Sun Jul 10 20:05:02 2016	RT @techanglr: #Dallas Police Reveal #Robot Used to Kill Suspect in #Cop Shooting https://t.co/xkcrNkeAU9 https://t.co/D0CqlULtWY	newsAnglr	newsanglr	
Dallas cop shooting	Sun Jul 10 20:12:00 2016	See, this what I mean... A cop covers an African-American Family during the shooting and sacrifices himself! #BlackLivesMatter #Dallas	Hits On Deck	WhySoSolely	Pix Burgh
Dallas cop shooting	Sun Jul 10 19:52:41 2016	why the quotes around heroes ABC!? They ARE heroes you pathetic leftist, cop killer pandering scum! #BlueLivesMatter https://t.co/xoSoJf6ow6	The Middle 'Merican	TheMidMerican	Oklahoma, USA
Dallas cop shooting	Sun Jul 10 20:12:49 2016	After Dallas Shooting, Black Cop Stuns America with a BRUTAL Announcement for BLM... https://t.co/OgcJ03o5uY	Ron Wallace	ronwallace56	Norman, Oklahoma, USA
Dallas cop shooting	Sun Jul 10 19:51:58 2016	After Dallas Shooting, Black Cop Confronts BLM with Raw Honesty and America Needs to See It https://t.co/m7gXY5ShEZ via @youngcons	Smokin Social	SmokinSocial	New York
Dallas cop shooting	Sun Jul 10 19:57:02 2016	After Dallas Shooting, Black Cop Stuns America with a BRUTAL Announcement for BLM... https://t.co/VWUMMBw35R	The Tomdom Man	tcook97	Mount Isa Australia
Dallas cop shooting	Sun Jul 10 20:06:15 2016	@Rogerskolney Roger has no comment on this. He is a cop hater. https://t.co/lgh3LEZDAU	Terry Nelson	Sodjacket	Minnesota, USA
Dallas cop shooting	Sun Jul 10 20:01:34 2016	I go to sleep unsure how this nation survives - Father of Dallas cop: 'All this fighting, all this racism must stop' https://t.co/uHCT1faLGN	Ira Socol	irasocol	Michigan Ireland Virginia

Click location column name the table resorts to the initial state:

keywords	Created_at	text	user name	screen name	location
Dallas cop shooting	Sun Jul 10 19:51:41 2016	Hero cop covered man in Dallas shooting https://t.co/L7QpuvzYm5	bossy bobsgirl1	raniecep	Florida
Dallas cop shooting	Sun Jul 10 19:51:58 2016	After Dallas Shooting, Black Cop Confronts BLM with Raw Honesty and America Needs to See It https://t.co/m7gXY5ShEZ via @youngcons	Smokin Social	SmokinSocial	New York
Dallas cop shooting	Sun Jul 10 19:52:41 2016	why the quotes around heroes ABC!? They ARE heroes you pathetic leftist, cop killer pandering scum! #BlueLivesMatter https://t.co/xoSoJf6ow6	The Middle 'Merican	TheMidMerican	Oklahoma, USA
Dallas cop shooting	Sun Jul 10 19:54:13 2016	RT @instapundit: He doesn't even look black. https://t.co/CFduwx0dom	(((Charlie Martin)))	chasrmartin	Boulder CO
Dallas cop shooting	Sun Jul 10 19:55:41 2016	RT @BFriedmanDC: On the Dallas police shooting. From a Dallas cop who was there. Definitely worth a read. https://t.co/XqrAliDPbK	Tina	KaraTStarbuck	#yeg
Dallas cop shooting	Sun Jul 10 19:56:24 2016	After Dallas Shooting, Black Cop Stuns America with a BRUTAL Announcement for BLM... https://t.co/4sJZt1sw3o	Jo Svarda	josvarda	California
Dallas cop shooting	Sun Jul 10 19:57:02 2016	After Dallas Shooting, Black Cop Stuns America with a BRUTAL Announcement for BLM... https://t.co/VWUMMBw35R	The Tomdom Man	tcook97	Mount Isa Australia
Dallas cop shooting	Sun Jul 10 19:58:32 2016	RT @katlivezey: After Dallas Shooting, Black Cop Confronts BLM with Raw Honesty https://t.co/KVVZNhOwsN @deray @BarackObama @potus https://...	Amy MAGA	amylt7215	
Dallas cop shooting	Sun Jul 10 20:00:44 2016	After Dallas Shooting, Black Cop Confronts BLM with Raw Honesty and America Needs to See It https://t.co/6pNMam3XeQ via @youngcons	Bob Calvert	talkwithheroes	Colorado Springs
Dallas cop shooting	Sun Jul 10 20:01:34 2016	I go to sleep unsure how this nation survives - Father of Dallas cop: 'All this fighting, all this racism must stop' https://t.co/uHCT1faLGN	Ira Socol	irasocol	Michigan Ireland Virginia

If you want to sort location from low to high and also screen name from low to high, just click location column name then click the screen name:

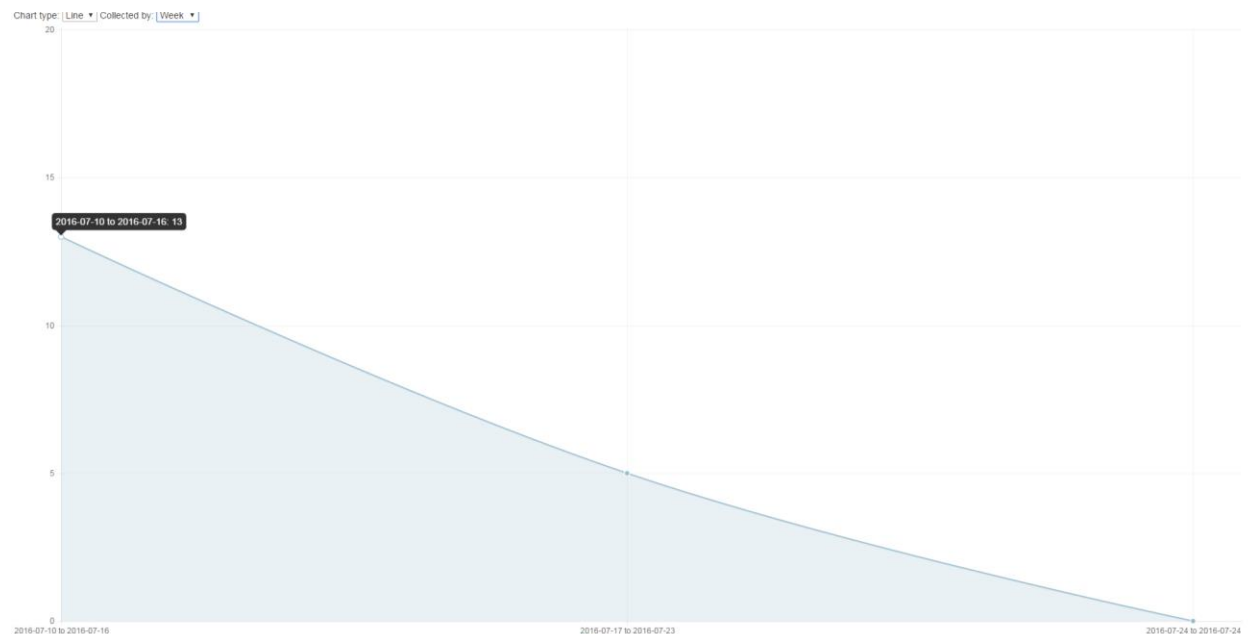| keywords	Created_at	text	user name	screen name ⌄	location ⌄
Dallas cop shooting	Sun Jul 10 19:55:41 2016	RT @BFriedmanDC: On the Dallas police shooting. From a Dallas cop who was there. Definitely worth a read. https://t.co/XqrAliDPbK	Tina	KaraTStarbuck	#yeg
Dallas cop shooting	Sun Jul 10 19:58:32 2016	RT @katlivezey: After Dallas Shooting, Black Cop Confronts BLM with Raw Honesty https://t.co/KVVZNhOwsN @deray @BarackObama @potus https:// ...	Amy MAGA	amylt7215	
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Dallas cop shooting	Sun Jul 10 19:54:13 2016	RT @instapundit: He doesn't even look black. https://t.co/CFduwx0dom	(((Charlie Martin)))	chasrmartin	Boulder CO
Dallas cop shooting	Sun Jul 10 19:56:24 2016	After Dallas Shooting, Black Cop Stuns America with a BRUTAL Announcement for BLM... https://t.co/4sJZt1sw3o	Jo Svarda	josvarda	California
Dallas cop shooting	Sun Jul 10 20:00:44 2016	After Dallas Shooting, Black Cop Confronts BLM with Raw Honesty and America Needs to See It https://t.co/6pNMam3XeQ via @youngcons	Bob Calvert	talkwithheroes	Colorado Springs
Dallas cop shooting	Sun Jul 10 19:51:41 2016	Hero cop covered man in Dallas shooting https://t.co/L7QpuvzYm5	bossy bobsgirl1	raniecep	Florida
Dallas cop shooting	Sun Jul 10 20:06:58 2016	After Dallas Shooting, Black Cop Stuns America with a BRUTAL Announcement for BLM... https://t.co/os5mJOvXlK	Matt Dylan	MustangSallyzMO	Marshall, Mo 660-831-5400
Dallas cop shooting	Sun Jul 10 20:01:34 2016	I go to sleep unsure how this nation survives - Father of Dallas cop: 'All this fighting, all this racism must stop' https://t.co/uHCT1faLGN	Ira Socol	irasocol	Michigan Ireland Virginia
Dallas cop shooting	Sun Jul 10 20:06:15 2016	@Rogerskolney Roger has no comment on this. He is a cop hater. https://t.co/Igh3LEZDAU	Terry Nelson	Sodjacket	Minnesota, USA

3   Chart subpage

The first row of Chart subpage contains the query interface:

This works like the interface in search subpage. There any difference is no limit field in this page.

The meaning of each field is the same as in Search subpage. For example, if we click the generate graph button:

It returns the total number of the tweets in each week.

You can change the chart by select collected by hour, day, week or month. It shows the number of tweets in hours, days, weeks or months.

Currently the graph system support line graph and Bar graph.

There is a Save as Image button on the top right saves the chart as a pdf file.