





ABOUT



TIA MORITA

MPA (UW) & MS in GIS (U.Redlands)
16+ years in GIS
Board Member, Women in GIS
Past Chair, CA Geog. Info. Assoc. (CGIA)
GIS Specialist, County of LA Public Works



CHRISTINE LAM

MS in GIS (USC)
8 years with the County of LA
20 years in the field of GIS
CA Geog. Info. Assoc. (CGIA) since 2014
GIS Manager, County of LA Public Works



NORMAN WONG

15 years in GIS
(Academia & Public Sector)
GIS Faculty at UCLA
Sr. GIS Analyst, Enterprise GIS, LA County

JENNA OSHITA

Business Systems Specialist (GIS),
City of Long Beach, Tech. & Innovation Dpt.
BA Geography, Minor Computer Science, CSUF
PMC & PMP



ROB GRAHAM

MS in GIS (University of Denver)
15 years in GIS
Certified GIS Professional (GISP)
GIS Programming, Databases, & Web Development
GIS Specialist, Enterprise GIS, LA County

JOHN DIAZ

BS Civil Engineering
Certified GIS Professional (GISP)
7+ years in GIS
Senior GIS Analyst, LA County Fire



SARA SRISOONTHORN

15+ years in entertainment/media –
Los Angeles Times & Walt Disney
USC Annenberg School



THE PROBLEM



REASONS FOR LOW REPORTING

Victim's POV

1. Trauma
2. Do they have rights?
3. Fear of retaliation, intimidation or other consequences
4. Fear of law enforcement or government entities
5. Severe enough?
6. Past experience with law enforcement
7. Language barriers
8. Technological barriers
9. Cultural norms



REASONS FOR LOW REPORTING

Victim's POV

1. Trauma
2. Do they have rights?
3. Fear of retaliation, intimidation or other consequences
4. Fear of law enforcement or government entities
5. Severe enough?
6. Bias
7. Language barriers
8. Cultural norms
9. Technological barriers

Law Enforcement POV

1. Legal definition – is it a crime or incident?
2. Evidence
3. Witnesses
4. Bias
5. Data sharing limitations



REASONS FOR LOW REPORTING

Victim's POV

1. Trauma
2. Do they have rights?
3. Fear of retaliation, intimidation or other consequences
4. Fear of law enforcement or government entities
5. Severe enough?
6. Bias
7. Language barriers
8. Cultural norms
9. Technological barriers

Law Enforcement POV

1. Legal definition – is it a crime or incident?
2. Evidence
3. Witnesses
4. Bias
5. Data sharing limitations

Case workers, social workers, non-profits and community orgs, government agencies, and news media



LOW REPORTING AND LACK OF INFORMATION



This is an issue?
Where?
Near me?
How bad?
How often?
To whom?
Why?

What's the magnitude of
hate in my area?





GIS SHOULD BE PART OF THE SOLUTION



WHY USE GIS FOR HATE CRIME MAPPING?

1. Illuminate patterns, distribution and hotspots
2. Paint a picture when complex stats cannot
3. Communicate the issues
4. Overcome language barriers
5. Create a common operating picture
6. Mobilize communities and stakeholders
7. Foster collaboration and cross-community understanding

A picture can tell a hundred words, but a map can tell a million more!



WE WANT TO USE GIS TO...

1. Help keep people informed
2. Encourage the public to report/empower them to report
3. Show victims/witnesses that their incidents don't just go into a black box



DEMO



ADDRESSING DATA GAPS

Web Scraping

WEB SCRAPING




- Scraping news sources (indicative of the issue with media)
- Twitter next

GNews Scraping Results

Source Last checked: Nov. 16, 2021, 11:24 a.m.

[Download XLSX](#)

Latest Articles (127 total)

Publish Date	Title / Link	Description	Image	Source	Search Term
Nov. 7, 2021, 9:27 p.m.	LA mother says Southwest Airlines thought she was trafficking her biracial daughter	A Los Angeles mother is accusing Southwest Airlines of racial profiling, saying she was accused of human trafficking while with her biracial daughter.		KABC-TV	"racial profiling Los Angeles"
Nov. 4, 2021, 6:19 p.m.	LAFD union: Vaccine mandate could lead to safety threat	The union representing Los Angeles firefighters urged the city to reconsider a mandate that requires city employees to be vaccinated or risk losing their jobs.		Los Angeles Times	"threat Los Angeles"
Nov. 1, 2021, 3:52 p.m.	7 Times Jamie Foxx Killed It On Screen	From his sketch comedy beginnings to his Oscar-winning dramatic roles, Jamie Foxx is the triple threat standard for Black Men in Hollywood.		Essence	"threat Hollywood"

<https://www.robgMaps.com/lhla>

<https://github.com/robgMaps/locate-hate-la>



WEB SCRAPING

```
25 # search terms
26 places = [ 'Long Beach', 'Los Angeles', 'Santa Clarita', 'Glendale', 'Lancaster', 'LA', 'Palmdale', 'Torrance', 'Pasadena', 'Downey', 'San Gabriel', 'San Fernando', 'Santa Clara', 'Burbank', 'Inglewood', 'San Pedro', '
27 West Covina', 'El Monte', 'Norwalk', 'Artesia', 'San Fernando', 'Van Nuys', 'Hollywood', 'San Bernardino', 'Ventura', 'Orange', 'San Diego', 'Riverside' ]
28
29 terms = [ 'hate crime', 'racial profiling', 'anti asian', 'anti semitism', 'anti gay', 'anti lgbt', 'white supremist', 'harassment', 'vandalism', 'graffiti', 'assault', 'threat', 'intimidation', 'asian crime', 'aapi hate
30 ', ]
31
32 search_terms = []
33 for i in terms:
34     for k in places:
35         search_terms += [ "%s %s" % (i, k, ) ]
36
37 filename = '/var/www/html/files/lhla/gnews-results.xlsx'
38
39 # open the workbook
40 wb = pe.load_workbook(filename)
41
42 # open the api sheet and get max row for api_id
43 api_sheet = wb['API Calls']
44
45 # open the articles sheet
46 articles_sheet = wb['Articles']
47
48 # make the calls and build excel sheet for individual article
49 params = { "token": token, "country": "us", "lang": "en", }
50 header = []
51 rows = []
52 search_terms.reverse()
53 for i, s in enumerate(search_terms):
54     try:
55         params["q"] = s
56         params["from"] = dt_from
57         req = requests.get(url, params=params)
58         r = json.loads(req.content.decode('utf-8'))
59
60 # make the API Calls row
61 # insert to db
62 apicall = APICall(search_term=s, total_articles=r['total_articles'],
63                  apicall.save()
64                  row_api = [ apicall.search_term, apicall.total_articles ])
65 api_sheet.append(row_api)
66
67 # make the article rows
68 for a in r['articles']:
69     # check if in db already, based on url
70     article = Article.objects.filter(url=a['url'])
71     if len(article):
72         continue
73
74     article = Article(apicall=apicall, title=a['title'],
75                     source_url=a['source']['url'])
76     article.save()
77     row_article = [ article.apicall.search_term, article.title, article.source_url ]
78     articles_sheet.append(row_article)
79
80 print(i, s, r['totalArticles'])
81 except Exception as e:
82     print("Error", s, e, req.url)
83     break
84
85 time.sleep(2)
```

	A	B	C	D	E	F	G	H	I	J
1	Search Term	Title	Description	Content	URL	Image	Published On	Source Name	Source URL	API Call ID
2	stop aapi hate los angeles	LA police probe fire, vandalism	The advocacy group Stop AAPI	Authorities are investigating a	https://www.devdiscourse.com	https://www.devdiscourse.com	2021-02-28T05:27:43Z	Devdiscourse	https://www.devdiscourse.com	2
3	asian hate crime los angeles	Southern California community	The local community rallied in	Watch more in iWantTFThe lo	https://news.abs-cbn.com/nev	https://sa.kapamilya.com/absr	2021-06-23T11:46:26Z	ABS-CBN News	https://news.abs-cbn.com	3
4	asian hate crime los angeles	Inmate Strikes Asian American	The Los Angeles County Sheriff	A Los Angeles County jail inma	https://www.insider.com/inm	https://l.insider.com/6096b3b5	2021-05-08T04:00:00Z	INSIDER	https://www.insider.com	3
5	asian hate crime los angeles	LA inmate could face hate crim	LOS ANGELES - A Los Angeles C	LOS ANGELES - A Los Angeles C	https://www.thestar.com/new	https://www.thestar.com/asse	2021-05-07T07:00:00Z	Toronto Star	https://www.thestar.com	3
6	asian hate crime los angeles	Man seen running a red light to	The Los Angeles Sheriff's Depa	Dozens of people peacefully g	https://www.cbsnews.com/ne	https://cbsnews1.cbsstatic.co	2021-03-24T21:05:00Z	CBS News	https://www.cbsnews.com	3
7	asian hate crime los angeles	Compton shooting: Authorities	The Los Angeles County Sheriff	EMBED >More News Videos Thi	https://abc7.com/lasd-no-evid	https://cdn.abcotvs.com/dip/i	2021-03-22T18:21:00Z	KABC-TV	https://abc7.com	3
8	asian hate crime los angeles	Sheriff Villanueva hosting sess	Los Angeles County Sheriff Ale	EMBED >More News Videos An	https://abc7.com/sheriff-villan	https://cdn.abcotvs.com/dip/i	2021-03-18T12:32:00Z	KABC-TV	https://abc7.com	3
9	hate crime los angeles	Men charged with hate crime fi	Xavier Pabon and Samer Jaylyu	Two California men were charg	https://nypost.com/2021/09/2	https://nypost.com/wp-conter	2021-09-22T15:32:36Z	New York Post	https://nypost.com	4
10	hate crime los angeles	2 Charged With Hate Crime In A	LOS ANGELES: Two suspects in	LOS ANGELES: Two suspects in	https://www.news18.com/nev	https://images.news18.com/ib	2021-09-21T23:51:06Z	News18	https://www.news18.com	4
11	hate crime los angeles	2 charged with hate crime in at	LOS ANGELES (AP) — Two susp	LOS ANGELES (AP) — Two susp	https://www.thestar.com/new	https://www.thestar.com/asse	2021-09-21T07:00:00Z	Toronto Star	https://www.thestar.com	4
12	hate crime los angeles	Suspect arrested in alleged hat	Police have arrested a suspect	Police have arrested a primary	https://abc7.com/suspect-arre	https://s.abcnews.com/image	2021-05-22T19:30:26Z	KABC-TV	https://abc7.com	4
13	hate crime los angeles	Beverly Grove hate crime inves	A man has been arrested in cor	EMBED >More News Videos Vic	https://abc7.com/1-arrested-a	https://cdn.abcotvs.com/dip/i	2021-05-22T17:09:00Z	KABC-TV	https://abc7.com	4
14	hate crime los angeles	Attack At Beverly Grove Restua	Attack At Beverly Grove Restua	Crime & Safety Attack At Bever	https://patch.com/california/lc	https://patch.com/img/cdn20/	2021-05-19T17:47:17Z	Joliet, IL Patch	https://patch.com	4
15	hate crime los angeles	Fight between diners, apparen	Disturbing video shows an app	EMBED >More News Videos Hu	https://abc7.com/video-appar	https://cdn.abcotvs.com/dip/i	2021-05-19T13:52:00Z	KABC-TV	https://abc7.com	4
16	hate crime los angeles	Mideast tensions lead to LA fig	Disturbing video shows an app	EMBED >More News Videos Hu	https://abc7.com/mideast-ten	https://cdn.abcotvs.com/dip/i	2021-05-19T13:52:00Z	KABC-TV	https://abc7.com	4
17	hate crime los angeles	Clash between diners, apparen	Disturbing video shows an app	EMBED >More News Videos Hu	https://abc7.com/video-appar	https://cdn.abcotvs.com/dip/i	2021-05-19T13:52:00Z	KABC-TV	https://abc7.com	4
18	hate crime Lancaster	Corrie's Sally Carman says "diff	Coronation Street actress Sally	Get the latest news from acros	https://www.irishmirror.ie/tv/	https://i2-prod.mirror.co.uk/i	2021-05-05T15:50:21Z	Irish Mirror	https://www.irishmirror.ie	1125
19	hate crime Lancaster	Corrie star Mollie Gallagher on	The Coronation Street newcom	For the latest Coronation Stree	https://www.manchestereven	https://i2-prod.manchestereve	2021-05-05T07:01:38Z	Manchester Evening News	https://www.manchestereven	1125
20	hate crime Lancaster	Sophie Lancaster's mum on Cor	Sylvia Lancaster worked with C	For the latest Coronation Stree	https://www.manchestereven	https://i2-prod.manchestereve	2021-05-05T06:24:24Z	Manchester Evening News	https://www.manchestereven	1125
21	hate crime Lancaster	Coronation Street's hate crime	CORONATION Street's hate cri	CORONATION Street's hate cri	https://www.thesun.ie/tv/694	https://www.thesun.ie/wp-co	2021-05-04T11:36:46Z	The Irish Sun	https://www.thesun.ie	1125
22	hate crime Lancaster	Corrie to screen brutal hate cri	Loved-up couple Nina Lucas an	For the latest Coronation Stree	https://www.manchestereven	https://i2-prod.manchestereve	2021-04-26T07:04:17Z	Manchester Evening News	https://www.manchestereven	1125
23	hate crime Lancaster	Coronation Street works with S	Characters Nina Lucas and Seb	Coronation Street has worked	https://www.breakingnews.ie	https://img.resized.co/breaki	2021-04-25T23:00:00Z	BreakingNews.ie	https://www.breakingnews.ie	1130
24	intimidation LA	Harcèlement sur Facebook et li	Rebaptisé Meta il y peu, le groi	Rebaptisé Meta il y peu, le groi	https://www.frandroid.com/m	https://images.frandroid.com/	2021-11-10T14:48:09Z	Frandroid	https://www.frandroid.com	1632
25	intimidation LA	Harcèlement sur Facebook et li	Rebaptisé Meta il y peu, le groi	Rebaptisé Meta il y peu, le groi	https://www.frandroid.com/m	https://images.frandroid.com/	2021-11-10T14:48:09Z	Frandroid	https://www.frandroid.com	1632
26	intimidation LA	L214 cible la société bretonne	É Daniel Sauvaget, le patron de	L214 cible la société bretonne	https://france3-regions.franc	https://france3-regions.franc	2021-11-09T17:43:13Z	France 3 Régions	https://france3-regions.franc	1632
27	intimidation LA	"Tolérance zéro" pour le harcèl	La cheffe libérale Dominique A	La cheffe du Parti libéral du Qui	https://www.tvnouvelles.ca/	https://m1.quebecormedia.co	2021-11-01T15:39:43Z	TVA Nouvelles	https://www.tvnouvelles.ca	1632
28	intimidation LA	Antony Auclair devient porte-ç	Le joueur de la NFL veut être u	Victime d'intimidation à l'école	https://www.journaldemontre	https://photos.lci.fr/images/1	2021-10-20T02:30:00Z	Le Journal de Montréal	https://www.journaldemontre	1632
29	intimidation LA	Antony Auclair devient porte-ç	Le joueur de la NFL veut être u	Victime d'intimidation à l'école	https://www.journaldequebec	https://m1.quebecormedia.co	2021-10-20T02:30:00Z	Le Journal de Québec	https://www.journaldequebec	1632
30	intimidation LA	NFL : Antony Auclair utilise sa r	L'ailier rapproché Antony Aucl	Marc DelbèsMONTREAL - L'ailie	https://www.rds.ca/football/n	https://www.rds.ca/polopoly_	2021-10-19T04:00:00Z	RDS	https://www.rds.ca	1632
31	intimidation LA	Marseille : un couple d'enseign	INTIMIDATION - Le parquet de	Alors que l'on rendait hommag	https://www.lci.fr/justice-faits	https://photos.lci.fr/images/1	2021-10-18T17:45:09Z	LCI	https://www.lci.fr	1632
32	intimidation LA	Une flambée de tension à haut	La Chine, qui tient mordicus à	Membres de l'armée de l'air ch	https://www.lapresse.ca/inter	https://mobile-img.lpcdn.ca/l	2021-10-09T10:00:00Z	La Presse	https://www.lapresse.ca	1632
33	intimidation LA	Québec lance un plan d'action	Le gouvernement Legault lance	Le gouvernement Legault lanc	https://www.lapresse.ca/actu	https://mobile-img.lpcdn.ca/l	2021-10-06T21:15:00Z	La Presse	https://www.lapresse.ca	1632
34	threat San Diego	Dad who fled Afghanistan sues	SAN DIEGO (AP) — The Afghan	FILE - In this Aug. 21, 2021, fi	https://apnews.com/article/ta	https://storage.googleapis.co	2021-10-07T16:30:36Z	The Associated Press	https://apnews.com	1639
35	threat Hollywood	7 Times Jamie Foxx Killed It On	From his sketch comedy begini	Jamie Foxx is a true jack of al	https://www.essence.com/ent	https://www.essence.com/wp	2021-11-01T22:52:58Z	Essence	https://www.essence.com	1643
36	threat Hollywood	IATSE and AMPTP Extend Contr	IATSE West Coast members are	Negotiations between West Cc	https://variety.com/2021/artis	https://variety.com/wp-conter	2021-09-11T16:57:13Z	Variety	https://variety.com	1643



WHAT CAN YOU DO?



HELP US!

1. Encourage people to report
2. Share hate crime/incident data and data sources
3. Volunteer (student or professional)
4. Conduct outreach
5. Spread the word



<https://locatehatela.org>



<https://www.facebook.com/LocateHateLA>



<https://www.instagram.com/locatehatela/>



THANK YOU!

info@locatehatela.org

 <https://locatehatela.org>

 <https://www.facebook.com/LocateHateLA>

 <https://www.instagram.com/locatehatela/>