```
John M Warlop
Python for Infomatics
UCSD Winter 2018
Assignment #8
```
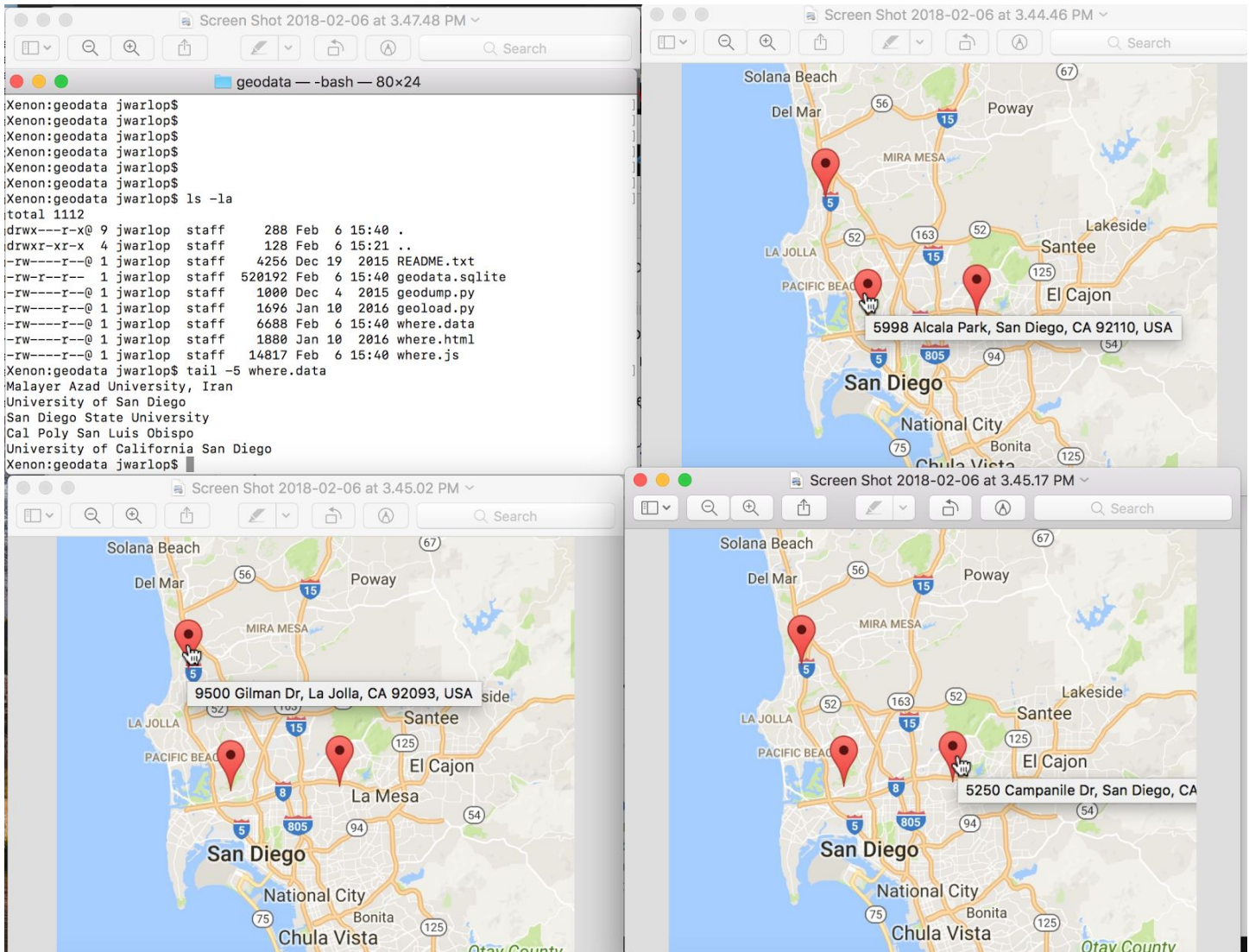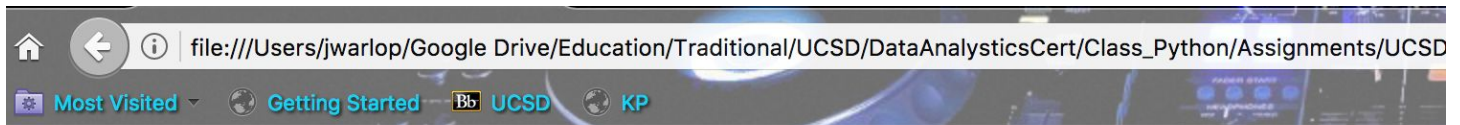
.

Project #1 - Building a Google map from geocoded data

Running of program and visualizations(added UCSD,USD & SDSU)

Project #2 - Visualizing Networks and Interconnections

HTML Page Force.htm

🏠 ← ⓘ | file:///Users/jwarlop/Google Drive/Education/Traditional/UCSD/DataAnalyticsCert/Class_Python/Assignments/UCSD

⚙ Most Visited ▾ 🌐 Getting Started Bb UCSD 🌐 KP

Starting url: https://lti-tools.dr-chuck.com/tsugi/mod/python-data/data/known_by_Miranne.html

If you don't see a chart above, check the JavaScript console. You may need to use a different browser.

SQL Database Spider.sqlite

Directory ▶ (Select Profile Database) ⬍ Go

Structure | **Browse & Search** | Execute SQL | DB Settings

TABLE Pages | Search | Show All | Add | Duplicate | Edit | Delete

id	url	html	error	old_rank	new_rank
1	http://www.dr-chuck.c...	BLOB (Size: 8528)		1	1.876713277903755
2	http://www.dr-chuck.c...	BLOB (Size: 64793)		1	3.836963675828944
3	http://www.dr-chuck.c...			1	1
4	http://www.dr-chuck.c...	BLOB (Size: 2133)		1	1.244014550264551
5	http://www.dr-chuck.c...			1	1
6	http://www.dr-chuck.c...			1	1
7	http://www.dr-chuck.c...	BLOB (Size: 2426)		1	0.577347883597884
8	http://www.dr-chuck.c...	BLOB (Size: 76358)		1	3.056615981195535
9	http://www.dr-chuck.c...	BLOB (Size: 35565)		1	2.878123812723208
10	http://www.dr-chuck.c...			1	1
11	http://www.dr-chuck.c...			1	1
12	http://www.dr-chuck.c...	BLOB (Size: 37112)		1	2.878123812723208
13	http://www.dr-chuck.c...			1	1
14	http://www.dr-chuck.c...			1	1
15	http://www.dr-chuck.c...			1	1
16	http://www.dr-chuck.c...	BLOB (Size: 34949)		1	0.5487134668682289
17	http://www.dr-chuck.c...			1	1
18	http://www.dr-chuck.c...	BLOB (Size: 31851)		1	0.5487134668682289
19	http://www.dr-chuck.c...	BLOB (Size: 39189)		1	0.5487134668682289
20	http://www.dr-chuck.c...			1	1
21	http://www.dr-chuck.c...			1	1
22	http://www.dr-chuck.c...	BLOB (Size: 65461)		1	0.5487134668682289
23	http://www.dr-chuck.c...			1	1

<< | < | 1 to 66 of 66 | > | >>

spider.sqlite

- ▶ Master Table (1)
- ▼ Tables (3)
  - ▶ Links
  - ▶ **Pages**
  - ▶ Webs
- ▶ Views (0)
- ▶ Indexes (2)
- ▶ Triggers (0)

SQLite 3.17.0 | Gecko 52.6.0 | 0.8.3.1-signed.1-signed | **Shared** | Number of files in selected directory: 9 | ET: 78 ms

Project #3 - Visualizing Mail Data

Directory Listing after Running Completing Project

```
● ● ●                    📁 gmane — -bash — 80×24
[Xenon:gmane jwarlop$                                                         ]
[Xenon:gmane jwarlop$                                                         ]
[Xenon:gmane jwarlop$ ls -la                                                  ]
 total 1835928
drwx---r-x@ 19 jwarlop   staff          608 Feb  8 06:34 .
drwxr-xr-x   7 jwarlop   staff          224 Feb  7 05:59 ..
-rw----r--@  1 jwarlop   staff         7495 Feb 15  2016 README.txt
-rw-r--r--   1 jwarlop   staff    669151232 Feb  8 06:01 content.sqlite
-rw----r--@  1 jwarlop   staff        10877 Dec  4  2015 d3.layout.cloud.js
-rwx---r-x@  1 jwarlop   staff       253776 Dec  4  2015 d3.v2.js
-rw----r--@  1 jwarlop   staff          945 Feb 15  2016 gbasic.py
-rw----r--@  1 jwarlop   staff          763 Dec  4  2015 gline.htm
-rw----r--@  1 jwarlop   staff         3771 Dec  4  2015 gline.jsonp
-rw----r--@  1 jwarlop   staff         1680 Feb 15  2016 gline.py
-rw----r--@  1 jwarlop   staff         4508 Feb 15  2016 gmane.py
-rw----r--@  1 jwarlop   staff         7884 Feb  8  2016 gmodel.py
-rw----r--@  1 jwarlop   staff         1087 Dec  4  2015 gword.htm
-rw-r--r--   1 jwarlop   staff         2837 Feb  8 06:34 gword.js
-rw----r--@  1 jwarlop   staff         2825 Dec  4  2015 gword.jsonp
-rw----r--@  1 jwarlop   staff         1360 Feb 15  2016 gword.py
-rw----r--@  1 jwarlop   staff         1663 Feb 15  2016 gyear.py
-rw-r--r--   1 jwarlop   staff    263839744 Feb  8 06:31 index.sqlite
-rw----r--@  1 jwarlop   staff        12288 Feb 15  2016 mapping.sqlite
Xenon:gmane jwarlop$ ▌
```

Running gmain.py

```
Xenon:gmane jwarlop$
Xenon:gmane jwarlop$
Xenon:gmane jwarlop$ python2.7 gmane.py
60408
How many messages:10
http://mbox.dr-chuck.net/sakai.devel/60409/60410 9042
    neal.caidin@apereo.org 2015-05-29T11:13:45-04:00 re: [i18n] joint session on
 i18n by sakai en espanol and
http://mbox.dr-chuck.net/sakai.devel/60410/60411 10629
    neal.caidin-wgvhjocuptadnm+yrofe0a@public.gmane.org 2015-05-29T12:54:12-04:0
0 sakai 10.5 rc01 available!
http://mbox.dr-chuck.net/sakai.devel/60411/60412 5588
    tokiwa@yujitokiwa.jp 2015-05-29T23:58:34+09:00 [i18n] joint session on i18n
by sakai en espanol and
http://mbox.dr-chuck.net/sakai.devel/60412/60413 13368
    seduerey@gmail.com 2015-06-01T01:21:18-07:00 re: adding some classes to morp
heus portal?
http://mbox.dr-chuck.net/sakai.devel/60413/60414 7102
    agschmid-r/hdy37nxir2fbvcvol8/a@public.gmane.org 2015-06-01T09:58:36-04:00 5
02 bad gateway on https://qa10-oracle.nightly.sakaiproject.org/
http://mbox.dr-chuck.net/sakai.devel/60414/60415 25538
    mcarro@entornosdeformacion.com 2015-06-01T09:59:04+02:00 adding some classes
 to morpheus portal?
http://mbox.dr-chuck.net/sakai.devel/60415/60416 10377
```

Database content.sqlite

Running gmodel.py

```
[Xenon:gmane jwarlop$ python2.7 gmodel.py
 Loaded allsenders 1802 and mapping 29 dns mapping 1
 1 2005-12-08T23:34:30-06:00 ggolden22@mac.com
 251 2005-12-22T10:03:20-08:00 tpamsler@ucdavis.edu
 501 2006-01-12T11:17:34-05:00 lance@indiana.edu
 751 2006-01-24T11:13:28-08:00 vrajgopalan@ucmerced.edu
 1001 2006-02-02T08:27:30-07:00 john.ellis@rsmart.com
 1251 2006-02-15T19:13:17-05:00 ggolden22@mac.com
 1501 2006-02-23T16:49:00-05:00 csev@umich.edu
 1751 2006-03-13T13:48:36-05:00 csev@umich.edu
 2001 2006-03-27T13:34:32-06:00 swgithen@mtu.edu
 2251 2006-04-05T12:38:43-04:00 ccount@mit.edu
 2501 2006-04-17T13:28:54-07:00 jholtzman@berkeley.edu
 2751 2006-04-25T14:26:03-07:00 vrajgopalan@ucmerced.edu
 3001 2006-05-03T13:49:11-04:00 cheryl.wogahn@yale.edu
 3251 2006-05-10T17:14:01+00:00 nuno@ufp.pt
 3501 2006-05-17T10:37:49-04:00 ys2n@virginia.edu
 3751 2006-05-23T14:52:13-04:00 azeckoski@unicon.net
 4001 2006-06-06T12:51:32-04:00 ajpoland@indiana.edu
 4251 2006-06-14T08:28:01-04:00 lance@indiana.edu
 4501 2006-06-21T14:31:06-05:00 mustansar@rice.edu
 4751 2006-06-29T15:52:15+01:00 antranig@cam.ac.uk
 5001 2006-07-12T11:50:55-04:00 markjnorton@earthlink.net
 5251 2006-07-20T17:24:14-07:00 sinou@etudes.org
```

Database `index.sqlite`

Running gbasic.py


```
58001 2014-11-05T18:49:11+05:30 ismail.n@uaeexchange.com
58251 2014-12-08T10:38:55-05:00 hedrick@rutgers.edu
58501 2015-01-16T09:16:13-05:00 enietzel@anisakai.com
58751 2015-02-18T08:14:09-05:00 neal.caidin@apereo.org
59001 2015-03-23T08:46:02-04:00 csev@umich.edu
59251 2015-04-20T16:24:19-04:00 bjones86@uwo.ca
59501 2015-05-07T16:13:35-04:00 jmezzanotte@anisakai.com
[Xenon:gmane jwarlop$ python2.7 gbasic.py                              ]
How many to dump? 5

Top 5 Email list participants
steve.swinsburg@swinsborg.com 3335
azeckoski@unicon.net 1907
ian@cam.ac.uk 1591
csev@umich.edu 1490
david.horwitz@uct.ac.za 1221

Top 5 Email list organizations
umich.edu 6805
gmail.com 5690
swinsborg.com 3335
cam.ac.uk 2626
uct.ac.za 2582
Xenon:gmane jwarlop$ █
```

Word Cloud from gword.py=>gword.jsonp & gword.html

Running gline.py

```
[Xenon:gmane jwarlop$ python2.7 gline.py
Top 10 Organizations
['umich.edu', 'gmail.com', 'swinsborg.com', 'cam.ac.uk', 'uct.ac.za', 'indiana.e
du', 'longsight.com', 'unicon.net', 'ox.ac.uk', 'berkeley.edu']
{('2008-09', 'umich.edu'): 119, ('2013-02', 'longsight.com'): 54, ('2007-11', 'c
am.ac.uk'): 142, ('2013-02', 'umich.edu'): 59, ('2014-01', 'swinsborg.com'): 30,
 ('2009-12', 'total'): 170, ('2012-07', 'berkeley.edu'): 2, ('2009-09', 'berkele
y.edu'): 6, ('2010-05', 'longsight.com'): 8, ('2009-12', 'cam.ac.uk'): 2, ('2014
-10', 'umich.edu'): 2, ('2013-11', 'ox.ac.uk'): 12, ('2008-05', 'swinsborg.com')
: 44, ('2012-12', 'swinsborg.com'): 35, ('2013-08', 'ox.ac.uk'): 2, ('2014-10',
'swinsborg.com'): 9, ('2012-03', 'berkeley.edu'): 1, ('2007-05', 'total'): 407,
('2009-12', 'ox.ac.uk'): 12, ('2008-03', 'berkeley.edu'): 19, ('2010-03', 'total
'): 356, ('2010-01', 'swinsborg.com'): 39, ('2008-10', 'indiana.edu'): 27, ('201
2-07', 'unicon.net'): 8, ('2011-06', 'gmail.com'): 89, ('2010-01', 'umich.edu'):
 57, ('2013-08', 'unicon.net'): 10, ('2014-07', 'swinsborg.com'): 42, ('2011-12'
, 'cam.ac.uk'): 2, ('2010-05', 'total'): 222, ('2009-10', 'umich.edu'): 77, ('20
15-01', 'uct.ac.za'): 1, ('2014-02', 'umich.edu'): 59, ('2006-09', 'uct.ac.za'):
 26, ('2011-12', 'swinsborg.com'): 31, ('2014-01', 'ox.ac.uk'): 10, ('2009-08',
'indiana.edu'): 25, ('2012-02', 'indiana.edu'): 10, ('2008-02', 'indiana.edu'):
34, ('2007-11', 'swinsborg.com'): 22, ('2010-12', 'umich.edu'): 26, ('2007-03',
'umich.edu'): 93, ('2006-03', 'indiana.edu'): 43, ('2009-05', 'indiana.edu'): 16
, ('2011-10', 'umich.edu'): 23, ('2011-08', 'swinsborg.com'): 37, ('2007-06', 'i
ndiana.edu'): 39, ('2012-04', 'ox.ac.uk'): 20, ('2006-03', 'longsight.com'): 1,
('2010-03', 'longsight.com'): 14, ('2013-09', 'indiana.edu'): 12, ('2008-05', 'g
```

Gline.htm

Sakai Developer Email Participation by Organization