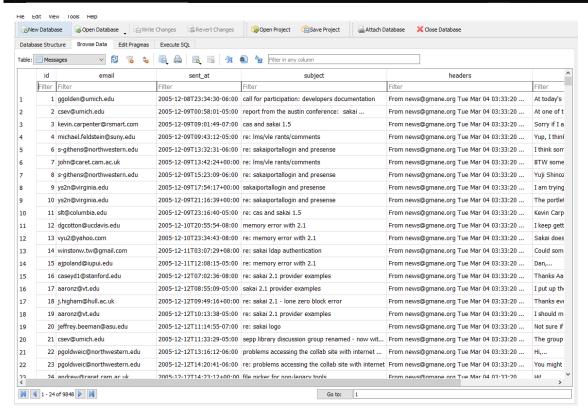
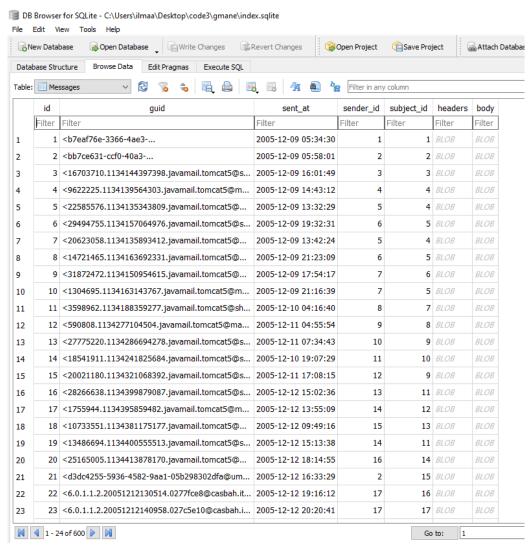
For this project, I retrieved a large set of email data from the web, and then I stored it in a database. I ran gmane.py, a python script, to retrieve email data and then store it into a database called content.sqlite.



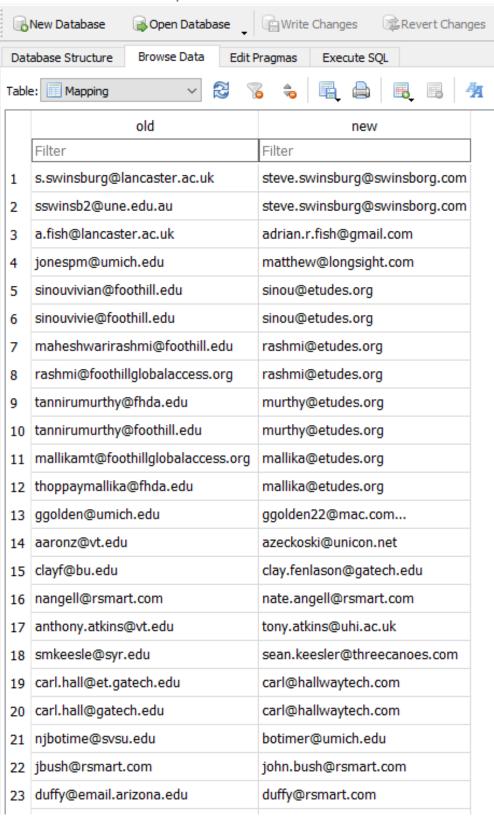
Next, I clean up the email data in content.sqlite by running gmodel.py, which normalizes the email data into structured tables and sends the data into the database index.sqlite.

```
C:\Users\ilmaa\Documents\code3\gmane> gmodel.py
Loaded allsenders 232 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 2006-01-12T11:44:14+02:00 marquard@uct.ac.za
751 2006-01-24T17:05:52-06:00 omer@rice.edu
1001 2006-02-02T16:12:58-05:00 ggolden22@mac.com
1251 2006-02-16T12:08:10-05:00 ggolden22@mac.com
1501 2006-02-24T10:44:32-08:00 lydial@stanford.edu
1751 2006-03-13T21:48:03+00:00 ian@cam.ac.uk
2001 2006-03-28T21:44:58-05:00 slt@columbia.edu
2251 2006-04-06T13:52:37-04:00 azeckoski@unicon.net
2501 2006-04-18T16:09:03-04:00 daisy.flemming@gmail.com
2751 2006-04-26T13:08:22-07:00 caseyd1@stanford.edu
3001 2006-05-04T13:39:13-04:00 csev@umich.edu
```



B Browser for SQLite - C:\Users\ilmaa\Desktop\code3\gmane\mapping.sqlite

File Edit View Tools Help

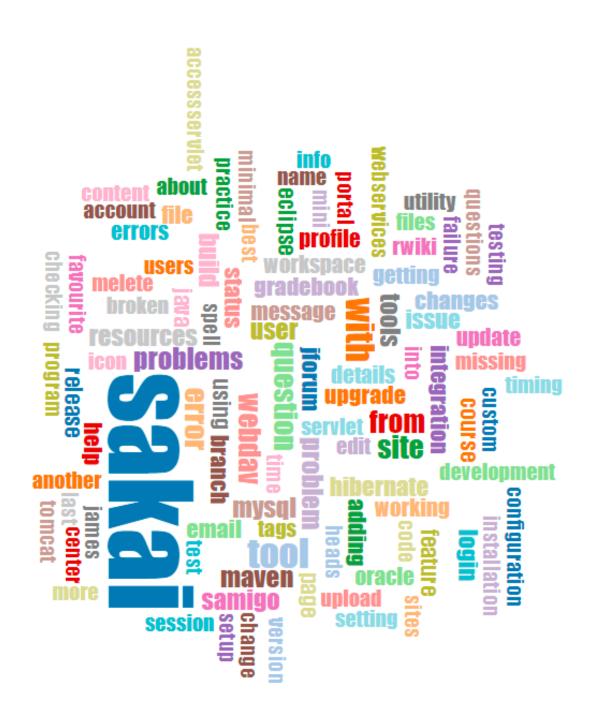


I then run the gbasic.py to calculate histogram data on the retrieved email messages. I computed the top 25 email list participants and the top 25 email list organizations.

```
Top 25 Email list organizations
umich.edu 532
indiana.edu 179
mac.com 174
berkeley.edu 174
cam.ac.uk 170
uct.ac.za 123
ucdavis.edu 121
gmail.com 109
yale.edu 105
unicon.net 104
ufp.pt 98
stanford.edu 82
etudes.org 80
columbia.edu 72
virginia.edu 65
mtu.edu 53
gatech.edu 53
rsmart.com 49
earthlink.net 46
rutgers.edu 45
ucmerced.edu 41
aeroplanesoftware.com 37
northwestern.edu 35
unl.edu 35
hull.ac.uk 33
```

```
Top 25 Email list participants
csev@umich.edu 257
ggolden22@mac.com 174
azeckoski@unicon.net 87
nuno@ufp.pt 85
ian@cam.ac.uk 83
jholtzman@berkeley.edu 78
marquard@uct.ac.za 73
slt@columbia.edu 72
ray@berkeley.edu 70
ajpoland@indiana.edu 67
cheryl.wogahn@yale.edu 64
jimeng@umich.edu 64
lance@indiana.edu 62
sinou@etudes.org 57
jleasia@umich.edu 56
swgithen@mtu.edu 53
clay.fenlason@gatech.edu 53
dhorwitz@uct.ac.za 50
markjnorton@earthlink.net 46
ys2n@virginia.edu 45
tpamsler@ucdavis.edu 42
vrajgopalan@ucmerced.edu 39
dave.ross@gmail.com 37
zach@aeroplanesoftware.com 37
jpgorrono@ucdavis.edu 36
```

Next, I showcase the most common words used in the retrieved email through gword.py and visualize it with gword.htm.



At the very end, I produce a timeline visualization of the emails retrieved through running the gline.py and visualize it with gline.htm.

