

1)

#Used this from the website provided

#Crashed every five to ten links, but still got the job done

#Credit due to Adil Moujahid

#Import the necessary methods from tweepy library

from tweepy.streaming import StreamListener

from tweepy import OAuthHandler

from tweepy import Stream

#Variables that contains the user credentials to access Twitter API

access_token = "XXXXXX"

access_token_secret = "XXXXXX"

consumer_key = "XXXXXX"

consumer_secret = "XXXXXX"

#This is a basic listener that just prints received tweets to stdout.

class StdOutListener(StreamListener):

```
def on_data(self, data):
```

```
    print data
```

```
    return True
```

```
def on_error(self, status):
```

```
    print status
```

```
if __name__ == '__main__':
```

```
    #This handles Twitter authentication and the connection to Twitter Streaming API
```

```
    l = StdOutListener()
```

```
    auth = OAuthHandler(consumer_key, consumer_secret)
```

```
    auth.set_access_token(access_token, access_token_secret)
```

```
    stream = Stream(auth, l)
```

```
    #This line filter Twitter Streams to capture data by the keywords: 'python', 'javascript', 'ruby'
```

```
    stream.filter(track=['python', 'javascript', 'ruby'])
```

2)

0: 949

1: 7

2: 4

3: 4

4: 5

7: 1

8: 5

9: 1

13: 1

16: 6

17: 1

23: 1

36: 2

39: 1

43: 1

56: 1

60: 1

114: 1

115: 1

118: 1

126: 1

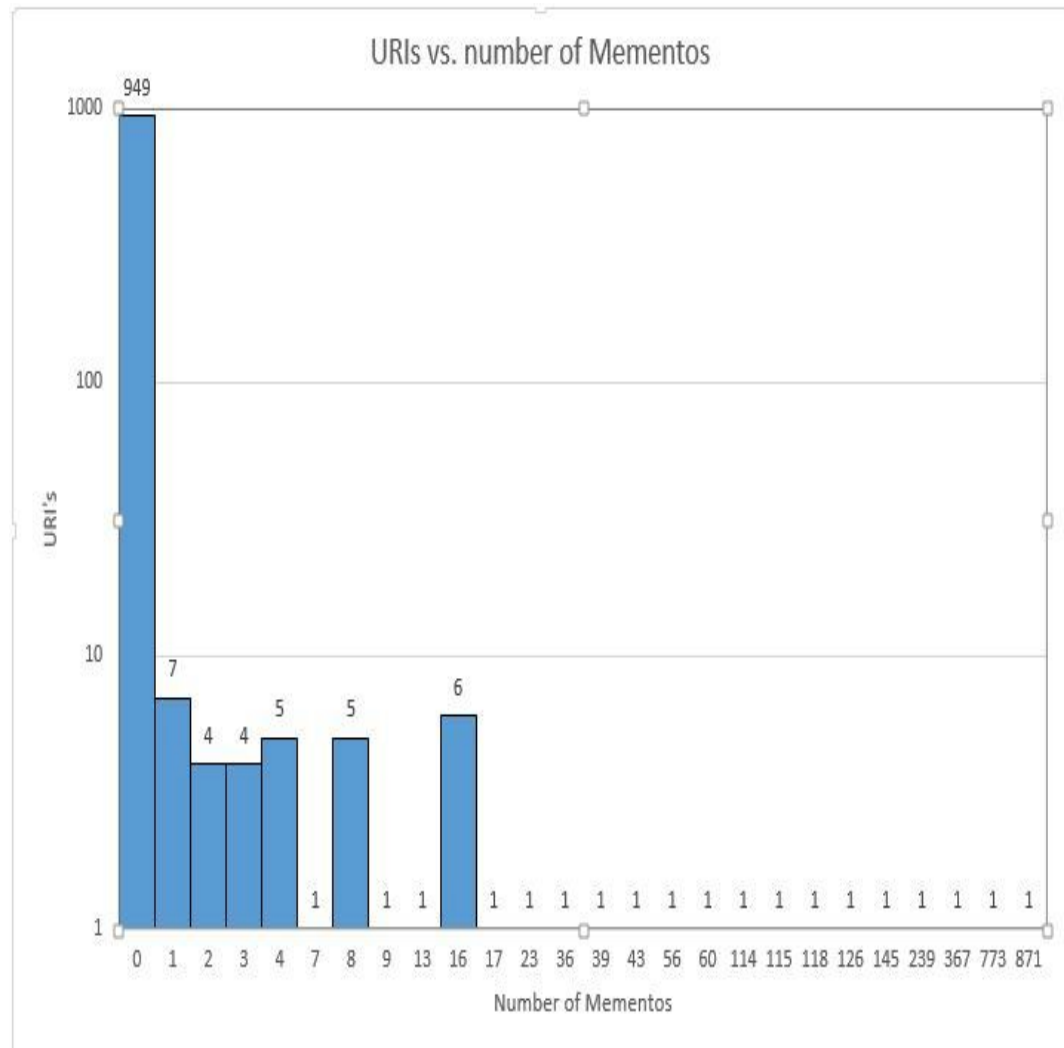
145: 1

239: 1

367: 1

773: 1

871: 1



I tried to make it in R and it was giving me too much trouble so I am sorry but I did it in excel in order to have a Histogram to turn in

3)

I was able to use the code from local file from the CarbonDate-master folder to combine with the good links I parsed from my original links that had more than 0 mementos. However, I was not able to figure out how to pull the dates from the URIs to put them into a graph to present.

Usage: Carbon_dating.py url backlinksOnOffFlag (e.g: Carbon_dating.py
http://www.cs.odu.edu [--compute-backlinks])
Done BitlyDone Last Modified

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 0

```
{
  "URI": "http://www.ventenner.com\n",
  "Estimated Creation Date": "2011-02-02T00:23:37",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2011-02-02T00:23:37"
    ],
    [
      "By_Archive",
      {
        "http://web.archive.org/web/20110202052337/http://ventenner.com/":
"2011-02-02T00:23:37"
      }
    ]
  ]
}
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 0

```
{
  "URI": "http://casaenorden.com/es/\n",
  "Estimated Creation Date": "2013-10-26T03:26:00",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2013-10-26T03:26:00"
    ],
    [
      "By_Archive",
      {
        "http://web.archive.org/web/20131026072600/http://casaenorden.com/es":
"2013-10-26T03:26:00"
      }
    ]
  ]
}
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 0

```
{
  "URI": "http://www.sercompubicidad.com\n",
  "Estimated Creation Date": "2013-07-07T08:47:01",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
```

```
"Backlinks": "",
"Google.com": "",
"Archives": [
  [
    "Earliest",
    "2013-07-07T08:47:01"
  ],
  [
    "By_Archive",
    {
      "http://web.archive.org/web/20130707124701/http://sercompubicidad.com":
"2013-07-07T08:47:01"
    }
  ]
]
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 0

```
{
  "URI": "http://inspiredfashio1.tumblr.com\n",
  "Estimated Creation Date": "2014-08-23T15:06:25",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2014-08-23T15:06:25"
    ],
    [
      "By_Archive",
      {

```

```
    "http://web.archive.org/web/20140823190625/http://inspiredfashio1.tumblr.com/":
"2014-08-23T15:06:25"
  }
]
]
}
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 0

```
{
  "URI": "http://www.atlantabike.org\n",
  "Estimated Creation Date": "1998-12-11T20:26:59",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "1998-12-11T20:26:59"
    ],
    [
      "By_Archive",
      {
        "http://wayback.archive-it.org/all/20121008184954/http://www.atlantabike.org/":
"2012-10-08T14:49:54",
        "http://webarchive.nationalarchives.gov.uk/20120701042106/http://www.atlantabike.org":
"2012-07-01T00:21:06",
        "http://web.archive.org/web/19981212012659/http://atlantabike.org/":
"1998-12-11T20:26:59"
      }
    ]
  ]
}
```

Done Bitly

Done Last Modified

Done Archives 1

Done Google

runtime in seconds: 0

```
{
  "URI": "http://www.thepolicechic.com\n",
  "Estimated Creation Date": "2015-06-24T17:26:11",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2015-06-24T17:26:11"
    ],
    [
      "By_Archive",
      {
        "http://web.archive.org/web/20150624212611/http://www.thepolicechic.com/":
"2015-06-24T17:26:11"
      }
    ]
  ]
}
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 0

```
{
  "URI": "http://Secretbills.com\n",
  "Estimated Creation Date": "2015-05-02T03:28:17",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
}
```



```
"Backlinks": "",
"Google.com": "",
"Archives": [
  [
    "Earliest",
    "2015-05-02T03:28:17"
  ],
  [
    "By_Archive",
    {
      "http://web.archive.org/web/20150502072817/http://secretbills.com/%3F":
"2015-05-02T03:28:17"
    }
  ]
]
```

Done Last ModifiedDone Bitly

Done Google

Done Archives 1

runtime in seconds: 11

```
{
  "URI": "http://orien-ta-se.tumblr.com/\n",
  "Estimated Creation Date": "2015-07-17T03:49:54",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2015-07-17T03:49:54"
    ],
    [
      "By_Archive",
      {
        "http://orien-ta-se.tumblr.com/": "2015-07-17T03:49:54"
      }
    ]
  ]
}
```

```
}  
]  
]  
}
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 25

```
{  
  "URI": "http://borntobelongtoamerica.tumblr.com/\n",  
  "Estimated Creation Date": "2015-10-24T08:18:50",  
  "Last Modified": "",  
  "Bitly.com": "",  
  "Topsy.com": "Topsy is out of service",  
  "Backlinks": "",  
  "Google.com": "",  
  "Archives": [  
    [  
      "Earliest",  
      "2015-10-24T08:18:50"  
    ],  
    [  
      "By_Archive",  
      {  
        "http://borntobelongtoamerica.tumblr.com/": "2015-10-24T08:18:50"  
      }  
    ]  
  ]  
}
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 25

```
{  
  "URI": "https://www.youtube.com/watch?v=gxWxSPUa7NU\n",
```

```
"Estimated Creation Date": "2008-06-20T10:57:29",
"Last Modified": "",
"Bitly.com": "",
"Topsy.com": "Topsy is out of service",
"Backlinks": "",
"Google.com": "",
"Archives": [
  [
    "Earliest",
    "2008-06-20T10:57:29"
  ],
  [
    "By_Archive",
    {
      "http://www.youtube.com/watch": "2008-06-20T10:57:29"
    }
  ]
]
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 11

```
{
  "URI": "http://observegarments.com\n",
  "Estimated Creation Date": "2015-10-23T09:03:52",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2015-10-23T09:03:52"
    ],
    [
```

```
"By_Archive",
{
  "http://observegarments.com/": "2015-10-23T09:03:52"
}
]
]
}
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 30

```
{
  "URI": "http://www.urbanexpression.org.uk\n",
  "Estimated Creation Date": "2001-10-26T16:40:07",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2001-10-26T16:40:07"
    ],
    [
      "By_Archive",
      {
        "http://www.urbanexpression.org.uk/": "2001-10-26T16:40:07"
      }
    ]
  ]
}
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 30

```
{
  "URI": "https://www.youtube.com/watch?v=C_3d6GntKbk\u0026n",
  "Estimated Creation Date": "2008-06-20T10:57:29",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2008-06-20T10:57:29"
    ],
    [
      "By_Archive",
      {
        "http://www.youtube.com/watch%3Fv%3DC_3d6GntKbk": "2016-02-04T03:28:33",
        "0": "2016-01-29T05:38:37",
        "http://www.youtube.com/watch": "2008-06-20T10:57:29"
      }
    ]
  ]
}
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 30

```
{
  "URI": "http://takukaa.skyrock.com\u0026n",
  "Estimated Creation Date": "2015-02-27T15:57:32",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
```

```
[
  "Earliest",
  "2015-02-27T15:57:32"
],
[
  "By_Archive",
  {
    "http://takukaa.skyrock.com/": "2015-02-27T15:57:32"
  }
]
]
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 30

```
{
  "URI": "https://cubanosporelmundo.com/\n",
  "Estimated Creation Date": "2001-04-28T07:09:40",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2001-04-28T07:09:40"
    ],
    [
      "By_Archive",
      {
        "http://www.cubanosporelmundo.com/": "2001-04-28T07:09:40"
      }
    ]
  ]
}
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 11

```
{
  "URI": "http://a-teenagers-diary.tumblr.com/\n",
  "Estimated Creation Date": "2015-10-02T19:56:16",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2015-10-02T19:56:16"
    ],
    [
      "By_Archive",
      {
        "http://a-teenagers-diary.tumblr.com/": "2015-10-02T19:56:16"
      }
    ]
  ]
}
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 10

```
{
  "URI": "http://www.frequence-plaisir.com/\n",
  "Estimated Creation Date": "2008-03-09T05:13:19",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
```

```
"Backlinks": "",
"Google.com": "",
"Archives": [
  [
    "Earliest",
    "2008-03-09T05:13:19"
  ],
  [
    "By_Archive",
    {
      "http://www.frequence-plaisir.com/": "2008-03-09T05:13:19",
      "http://www.frequence-plaisir.com": "2012-09-09T23:09:24"
    }
  ]
]
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 10

```
{
  "URI": "http://noisetrade.com/cimorelli/hearts-on-fire\n",
  "Estimated Creation Date": "2015-05-24T23:55:46",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2015-05-24T23:55:46"
    ],
    [
      "By_Archive",
      {
        "http://noisetrade.com/cimorelli/hearts-on-fire": "2015-05-24T23:55:46"
      }
    ]
  ]
}
```



```
}  
]  
]  
}
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 10

```
{  
  "URI": "http://northridgelive.posterous.com/\n",  
  "Estimated Creation Date": "2013-03-30T21:48:07",  
  "Last Modified": "",  
  "Bitly.com": "",  
  "Topsy.com": "Topsy is out of service",  
  "Backlinks": "",  
  "Google.com": "",  
  "Archives": [  
    [  
      "Earliest",  
      "2013-03-30T21:48:07"  
    ],  
    [  
      "By_Archive",  
      {  
        "http://northridgelive.posterous.com/": "2013-03-30T21:48:07"  
      }  
    ]  
  ]  
}
```

Done Last Modified

Done GoogleDone Bitly

Done Archives 1

runtime in seconds: 10

```
{  
  "URI": "http://maliceisgdlk.tumblr.com/\n",
```

```
"Estimated Creation Date": "2014-08-05T05:01:53",
"Last Modified": "",
"Bitly.com": "",
"Topsy.com": "Topsy is out of service",
"Backlinks": "",
"Google.com": "",
"Archives": [
  [
    "Earliest",
    "2014-08-05T05:01:53"
  ],
  [
    "By_Archive",
    {
      "http://maliceisgdlk.tumblr.com/": "2014-08-05T05:01:53"
    }
  ]
]
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 30

```
{
  "URI": "http://blog.mafmovement.com\n",
  "Estimated Creation Date": "2011-12-01T16:34:17",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2011-12-01T16:34:17"
    ],
    [
```

```
"By_Archive",
{
  "http://blog.mafmovement.com/": "2011-12-01T16:34:17"
}
]
]
}
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 10

```
{
  "URI": "https://eeveeame133.deviantart.com\n",
  "Estimated Creation Date": "2013-06-18T16:37:22",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2013-06-18T16:37:22"
    ],
    [
      "By_Archive",
      {
        "http://eeveeame133.deviantart.com/": "2013-06-18T16:37:22"
      }
    ]
  ]
}
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 17

```
{
  "URI": "http://www.newslocker.com/en-uk/profession/transport/\n",
  "Estimated Creation Date": "2014-09-27T18:13:42",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2014-09-27T18:13:42"
    ],
    [
      "By_Archive",
      {
        "http://www.newslocker.com/en-uk/profession/transport/": "2014-09-27T18:13:42"
      }
    ]
  ]
}
```

Done BitlyDone Last Modified

Done Google

Done Archives 1

runtime in seconds: 30

```
{
  "URI": "http://www.ungeheuerliches.de\n",
  "Estimated Creation Date": "2010-12-19T22:35:58",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
```

```
"2010-12-19T22:35:58"
],
[
  "By_Archive",
  {
    "http://www.ungeheuerliches.de/%3F": "2010-12-19T22:35:58"
  }
]
]
}
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 11

```
{
  "URI": "http://silverliningslove.tumblr.com/\n",
  "Estimated Creation Date": "2015-04-27T04:33:34",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2015-04-27T04:33:34"
    ],
    [
      "By_Archive",
      {
        "http://silverliningslove.tumblr.com/": "2015-04-27T04:33:34"
      }
    ]
  ]
}
```

Done Last Modified

Done Bitly

Done Google

Done Archives 1

runtime in seconds: 30

```
{
  "URI": "http://disidentestmcf.blogspot.com.es\n",
  "Estimated Creation Date": "2015-03-31T12:55:08",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
  "Archives": [
    [
      "Earliest",
      "2015-03-31T12:55:08"
    ],
    [
      "By_Archive",
      {
        "http://disidentestmcf.blogspot.com.es/": "2015-03-31T12:55:08"
      }
    ]
  ]
}
```

Done Bitly

Done Last Modified

Done Google

Done Archives 1

runtime in seconds: 30

```
{
  "URI": "http://www.evrensel.net\n",
  "Estimated Creation Date": "1999-10-12T15:34:29",
  "Last Modified": "",
  "Bitly.com": "",
  "Topsy.com": "Topsy is out of service",
  "Backlinks": "",
  "Google.com": "",
}
```

```
"Archives": [  
  [  
    "Earliest",  
    "1999-10-12T15:34:29"  
  ],  
  [  
    "By_Archive",  
    {  
      "http://www.evrensel.net/": "2007-09-26T09:30:45",  
      "http://evrensel.net/": "1999-10-12T15:34:29"  
    }  
  ]  
]  
}
```