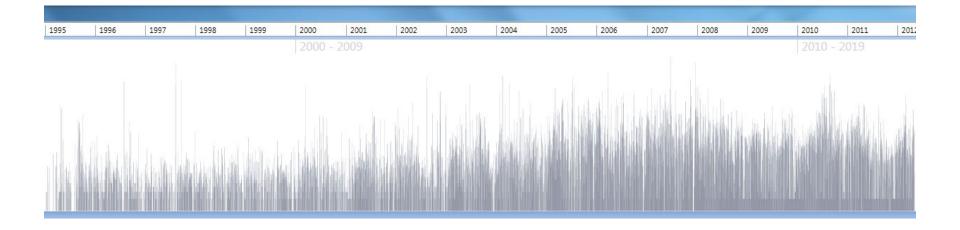
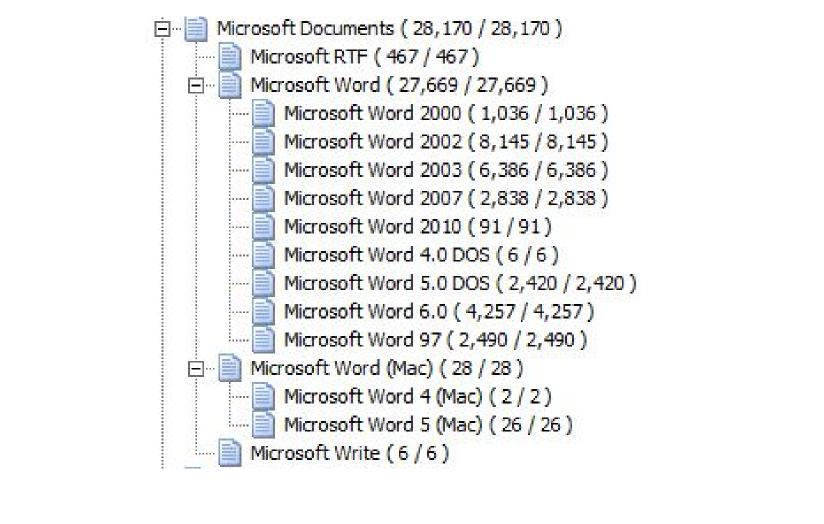
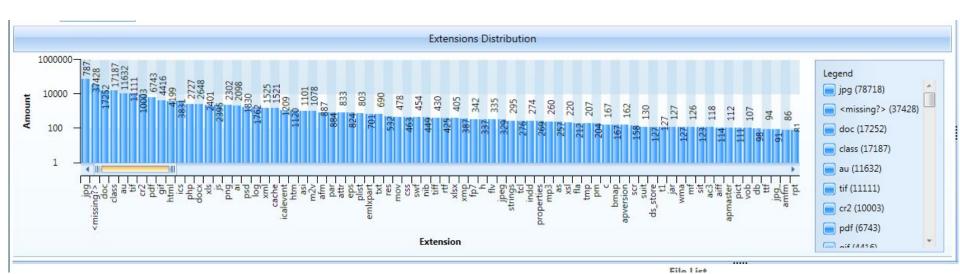
NLP in Archival Processing

Donald Mennerich, NYU Libraries

Scale



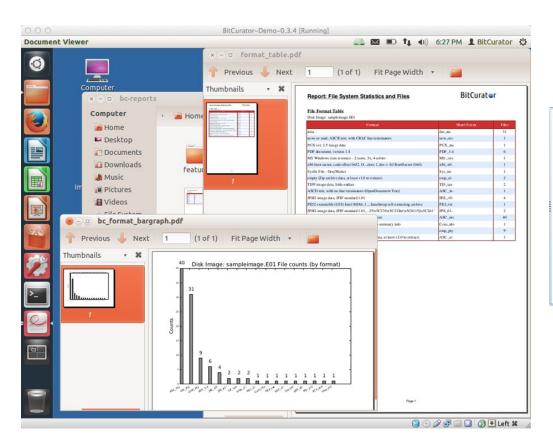


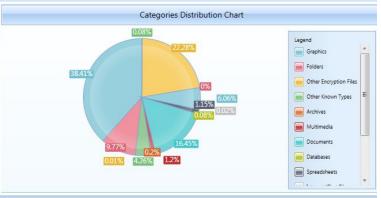


Forensics

```
onomPuid>x-fmt/391/pronomPuid>
onomFormatName>Exchangeable Image File Format (Compressed)
onomSignatureName>EXIF Compressed Image 2.2/pronomSignatureName>
onomMimeType>image/jpeg/pronomMimeType>
onomMatchType>signature
cpronomSignatureFileVersion>formats-v70.xml/pronomSignatureFileVersion>
onomContainerFileVersion>20130501.xml/pronomContainerFileVersion>
<fidoVersion>1.3.1</fidoVersion>
<identificationUuid>49050200-e308-4060-886a-14a8efd82078</identificationUuid>
<scanStatus>PASSED</scanStatus>
<clamAVVersion>ClamAV 0.98.1
<virusScanUuid>6dea8d54-107a-43d0-a1fe-beb9c6bc4a21/virusScanUuid>
```

<!-- plugin process -->

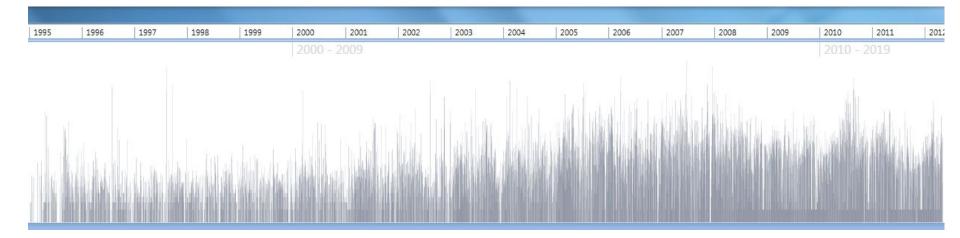


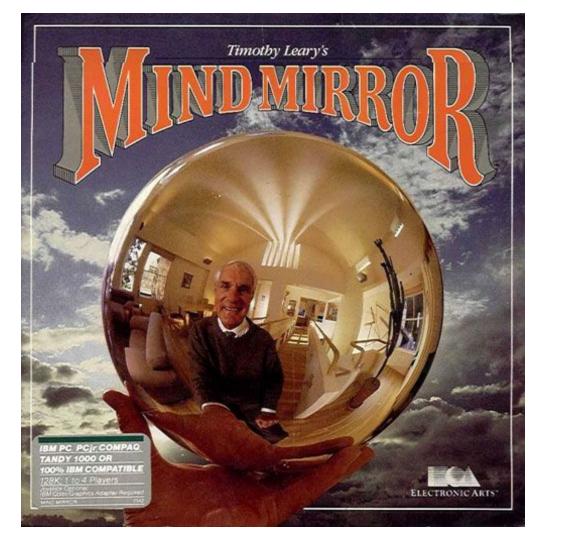


× 💾 🧠 滓 🤺	Highlight:	✓ Match case
Reports	Feature Filter	Image File TW_TAM_642_21.001
▼ report		Feature File email.txt
domain.txt		Forensic Path 100683
	Histogram File telephone histogram tyt	
domain_histogram.txt	Histogram File telephone_histogram.txt	Feature la8@columbia.edu
email.txt	n=7 2124454425 n=7 2125220991	Image
email_histogram.txt	n=7 2125220991 n=6 2123793575	Image
	n=6 2125837507	98304
telephone.txt	n=6 7189815679	98432
telephone_histogram.t	n=5 2012885166	98496
url.txt	n=5 2012885408	98560
	n=5 2125124938	98624
url_histogram.txt	n=5 2125563690	98688
url_services.txt	n=5 2126642994	98752
windirs.txt	n=5 7189811234	98816
THI GILL STEAM	n=4 2122102591	98880
	n=4 2124562381	98944
	n=4 2124753300	99008
	n=4 2124758944	99072
	n=4 2124897034	99136
	n=4 2127166630	99200
	n=4 2129751907	99264
	n=4 3016564863	99328M4bjbj.=.=
	n=4 5108417778	99392)WW4
	n=4 6318432873 n=4 7187287440	99456
	n=4 9737837517	99520
	n=3 2012879422	99584
	n=3 2015835453	99712 .R\$vv
	0004044004	99776
	56 15 1 51 1 1 1 1 1	99840
	Referenced Feature File telephone.txt	99904
	Referenced Feature 2124897034	99968
		100032P
		100096
		100160
		100224 0

Evidence FA_MSS_381_1.001 FA_MSS_381_11.001 FA_MSS_381_11.001 FA_MSS_381_12.001 FA_MSS_381_13.001 FA_MSS_381_14.001 FA_MSS_381_16.E01	Rosy_Guest says, " h Dr.Bombay is not cur Rosy_Guest has disco Purple_Guest [to Mac @goMacMan [to Purp #72239 Blue_Guest has disco	rently logged in. onnected. :Man]: What are yo ole_Guest]: A serve		ur moo on?
FA_MSS_381_19.E01 FA_MSS_381_2.001 FA_MSS_381_21.E01 FA_MSS_381_22.E01 FA_MSS_381_23.E01 FA_MSS_381_24.E01 FA_MSS_381_25.001	fever teleports in. You didn't set your go Either Ecru_Guest do female Art_Shamsky has dis Plaid_Guest says, "he I don't understand th	esn't want to go, o connected. ello"		pites didn't accept it.
		perties Hex Inte		nlav Time Zone: Factorn Davlight Tim
由 □ □ FA MSS 381 27.E01 ▼ □ File List □ □ □ □		Normal	→ Dis	play Time Zone: Eastern Daylight Tim
⊕ □ □ FA MSS 381 27.E01 ▼ □ File List □ □ □ ■ Name		Normal Label Item #	→ Dis	Path
FILE List Name Move&Rename		Normal Label Item # 52051	→ Dis	Path FA_MSS_381_38.E01/Partition 4/b
FIRE List Name Move&Rename Unallocated space		Normal Label Item # 52051 52017	→ Dis	Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b
FILE List Name Move&Rename (unallocated space) 1:15:97		Normal Label Item # 52051 52017 52164	Ext Circles	Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b
FIRE List File List Name Move&Rename Inallocated space 1:15:97		Normal Label Item # 52051 52017 52164 52360	Dis Ext <missin <<="" <missin="" td=""><td>Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b</td></missin>	Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b
FIRE List File List Name Image: Move&Rename Image: Inallocated space		Normal Label Item # 52051 52017 52164 52360 52068	Ext <missin <missin="" gif<="" td=""><td>Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b</td></missin>	Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b
FIRE List File List Name Image: Move&Rename Image: Interest of Move Space Image: Interest of		Normal Label Item # 52051 52017 52164 52360 52068 52356	Dis Ext <missin <<="" <missin="" td=""><td>Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b</td></missin>	Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b
FIRE List File List Name Image: Move&Rename Imag		Normal Label Item # 52051 52017 52164 52360 52068	<missin <missin="" <missin<="" qif="" td=""><td>Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b</td></missin>	Path FA_MSS_381_38.E01/Partition 4/b
FIRE List File List Name Image: Move&Rename Imag		Normal Label Item # 52051 52017 52164 52360 52068 52356 52254	<missin <missin="" <missin<="" qif="" td=""><td>Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b</td></missin>	Path FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b FA_MSS_381_38.E01/Partition 4/b

Scale







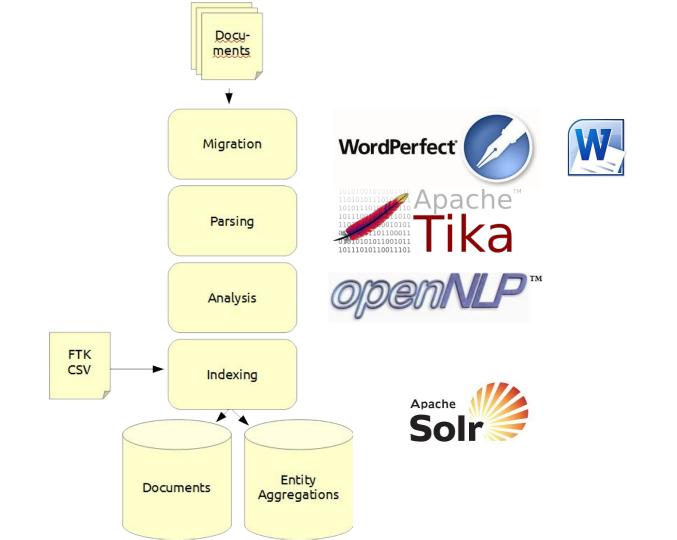
REBEL HERO OF THE WEEK

4THversion Dec.28 1983

CARY GRANT

(Nominated by Timothy Leary)

Thanks to the detergent vigilence of our media, the information we get is laundered, starched and squeaky clean. So very few Americans remember that in the late 1950's the most prominent advocate of LSD and chemical altered states was none other than CARY GRANT. His rapturous descriptions of his 100 trips helped launch the psychedelic movement of the '60's.



Query: "Richard Alpert" Query Type: names Number of records located: 34 Displaying records 1 through 20 limited to:

1. Filename: TABLE

collection	info
------------	------

name:

Timothy Leary papers

component:

disk id:

ER29. "Writings, Flashbacks" last modification date: 01/01/1980 M18400-0123.001

file type: Unknown

file info

file size:

3.56 kb

language:

Richard Alpert Robert Wasson

names

30

Alan

Arthur Koestler

Max Jacobson

Ken Kesey

William

remove

organizations Aunt Mae

US Army

Department of State Telegram Good Friday Miracle

Harvard High School

Leaving Harvard Paradise Lost

Ind India Italy

> Laguna Beach Montreal

locations

California

Caribbean

Florence

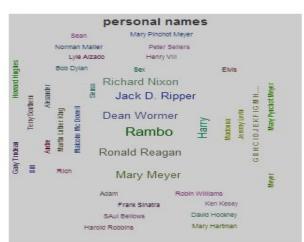
Hollywood

1940

Asia

See all entities

next twenty records =>







filename	archival files	type	date
DOROTHY	"Chronological Files, 1984"	Unknown	01/11/1984
G3MAFIA	"Chronological Files, 1984"	WordStar 4.0	01/06/1984
G3BURRO	"Chronological Files, 1984"	WordStar 4.0	01/10/1984
G2SIKJOK	"Chronological Files, 1984"	WordStar 4.0	01/10/1984
G2WATT	"Chronological Files, 1984"	WordStar 4.0	01/05/1984
G6RAIDER	"Chronological Files, 1984"	WordStar 4.0	03/10/1984
G6HUMANI	"Chronological Files, 1984"	WordStar 4.0	02/09/1984
G6LIZTAY	"Chronological Files, 1984"	WordStar 4.0	02/07/1984
G6MICK	"Chronological Files, 1984"	WordStar 4.0	02/09/1984
G6PAULMC	"Chronological Files, 1984"	WordStar 4.0	02/09/1984

Filename: G6RAIDER

Metadata

access filename	G6RAIDER.docx
collection name	Timothy Leary papers
component	ER2. "Chronological Files, 1984"
media id	M18400-0032.001
path	M18400-0032.001/NONAME [FAT12]/[root]/G6RAIDER
file type	WordStar 4.0
file size	9.38 kb
language	
last modification date	03/10/1984

Named Entities

names:



Al Davis, Earl, Earl Butz, George, George Orwell, George Will, Jim Plunkett, Joe Gibbs, John Brown, Sam Clemens, Timothy Leary, Tom Flores, Tom Jefferson, Tom Paine, Walt Whitman, Will organizations:

Big Brother, CIA, Chamber of Commerce, Congress, Freedomloving, Government Employees, NFL, Flocations:

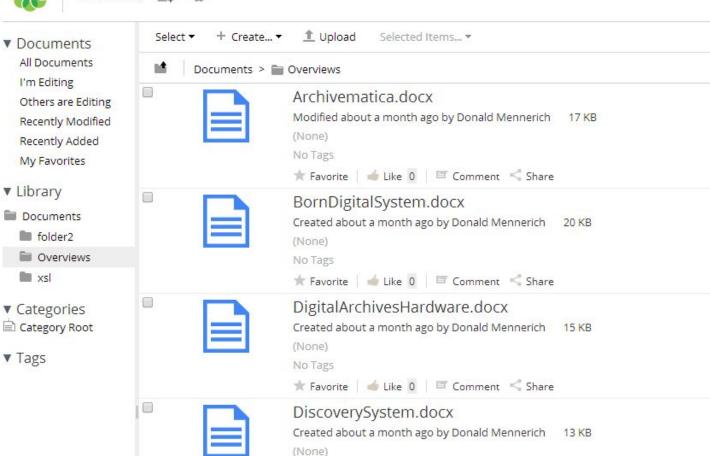
Anaheim, Boston Harbor, Central Valley, Cleveland, Dallas, Iowa, Mediterranean, Oakland, U.S., Was

improvements

- Better infrastructure, distributed processing, machine Learning
- Topic modeling, cluster analysis, document similarity
- Visualizations
- Integration with discovery, dissemination and access systems, Linked open data







No Tags



<u>Home</u> | <u>Appraisal</u> | <u>Processing</u> | <u>Delivery</u> | <u>Administration</u> | <u>Glossary</u> | <u>About</u> <u>Email Sources</u> | <u>Edit Correspondents</u> | <u>Browse</u> | <u>Search</u> | <u>Export</u> | <u>Edit Lexicon</u>

4 8/71





sentiments health (1)

personal (1)

people

Caro Pinto (71)

Mark A. Mati... (1)

Amanda Geno (1)

Molly Dotson (1)

Megan O'Shea (1)

Unique Identifier: Sent Messages-42

Date: June 30, 2011 2:43pm

From: Donald Mennerich <domenn@gmail.com>

To: Caro Pinto <pinto.caro@gmail.com>

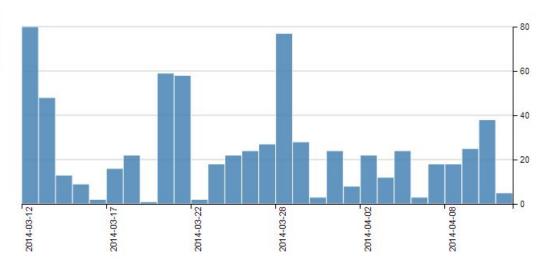
Subject: Coffee today?

I really need some caffination!

a sampling:

FIERCENYC ALIGNny changethenypd Peoples_Justice caaav 99pickets

tweets per day, past month



recent tweets

		rt	
user	date	#	text

FIERCENYC 21:00:58 3

Had an amazing organizing committee mtg. On the road to new campaign work #WeTheOC #ResearchRealness http://t.co/aNAy5xO5TU

University Archives: NYU Libraries 🧪

Created: Jan 27, 2016 by Irl

Updated: Sep 26, 2016 by system

Overview

Seeds

Crawls

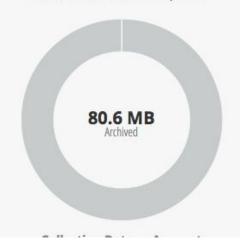
Crawl Scope

Metadata

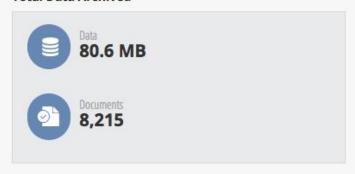
Wayback QA

Collection Data

Archived since Mar 31, 2016



Total Data Archived



Private Collection Link

https://archive-it.org/collections/e26035cf-f189-40db-b226-7ac743db1807

Collection Settings

Private	
Active	
	Save

NLP

Named entity extraction

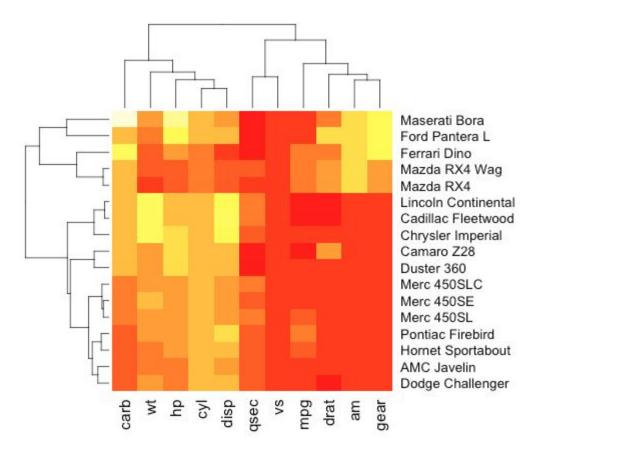
Topic modeling

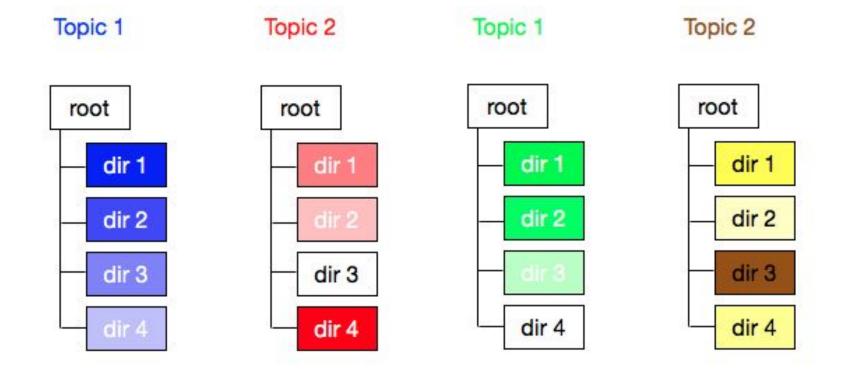
Clustering

Classification

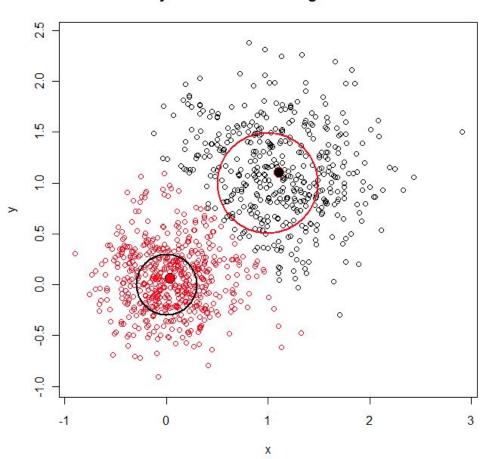
Collaborative filtering

Language detection





Lloyd k-means Clustering: iterations



Thanks.