

Social network analysis of discussion forum data

WANG Hao

- **Forum Data**
- **Clustering Structure**
- **Topic Modeling**
- **Conclusion**

Forum data

course	#users	#posts	#threads	#forum	#comments
stschinal	835	1718	268	9	1033
newchinahistory1	1138	2641	434	12	1963
gastronomy	3725	9105	1474	14	6088

Tree view

General Discussion

An Introduction to Science and Technology Studies, by Sergio Sismondo

Wondering if there's an accessible copy of Sismondo within Coursera ?
Don't particularly want to buy the whole book just in order to read p.1-11 next week.
Did a google search, found several places that would let you read the latter part for free but
version ?

I agree. We may need some people with Academic reach to these documents.

Yeah, other courses will provide **open online resources** even it's optional readings. Until
instructors will provide it until the formal opening of the course. I think **course staffs**

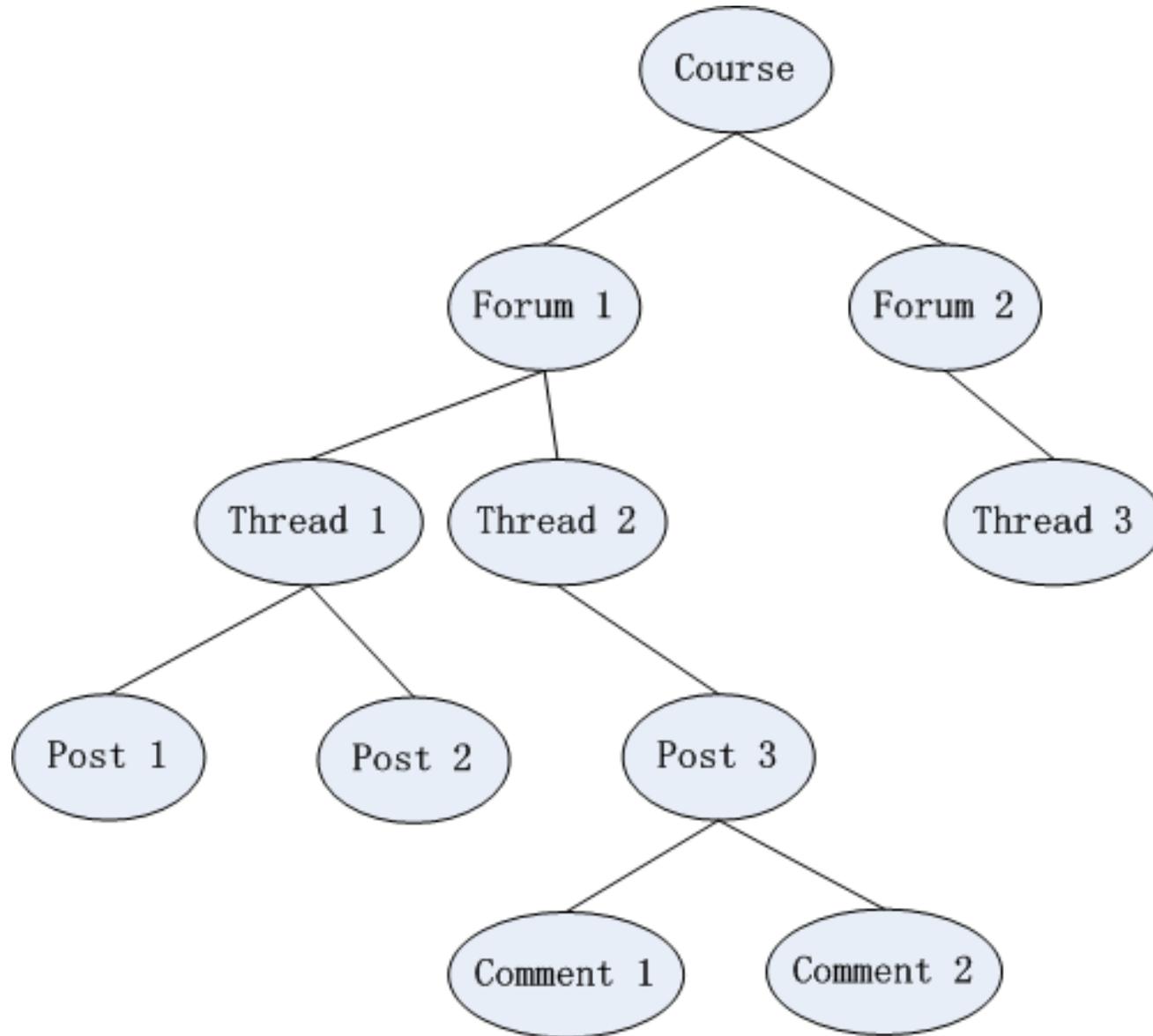
It is not usual practice on these courses to require reading of text which are not publicly, f
Even learned papers are usually to be found behind a paywall and are out of reach of the bulk

If the text is not accessible, the bulk of students will be unable to complete the reading ass

I wan't be able to buy this book before the course starts. Could someone scan those 11 pages a

Hello !
What about that?

Tree view

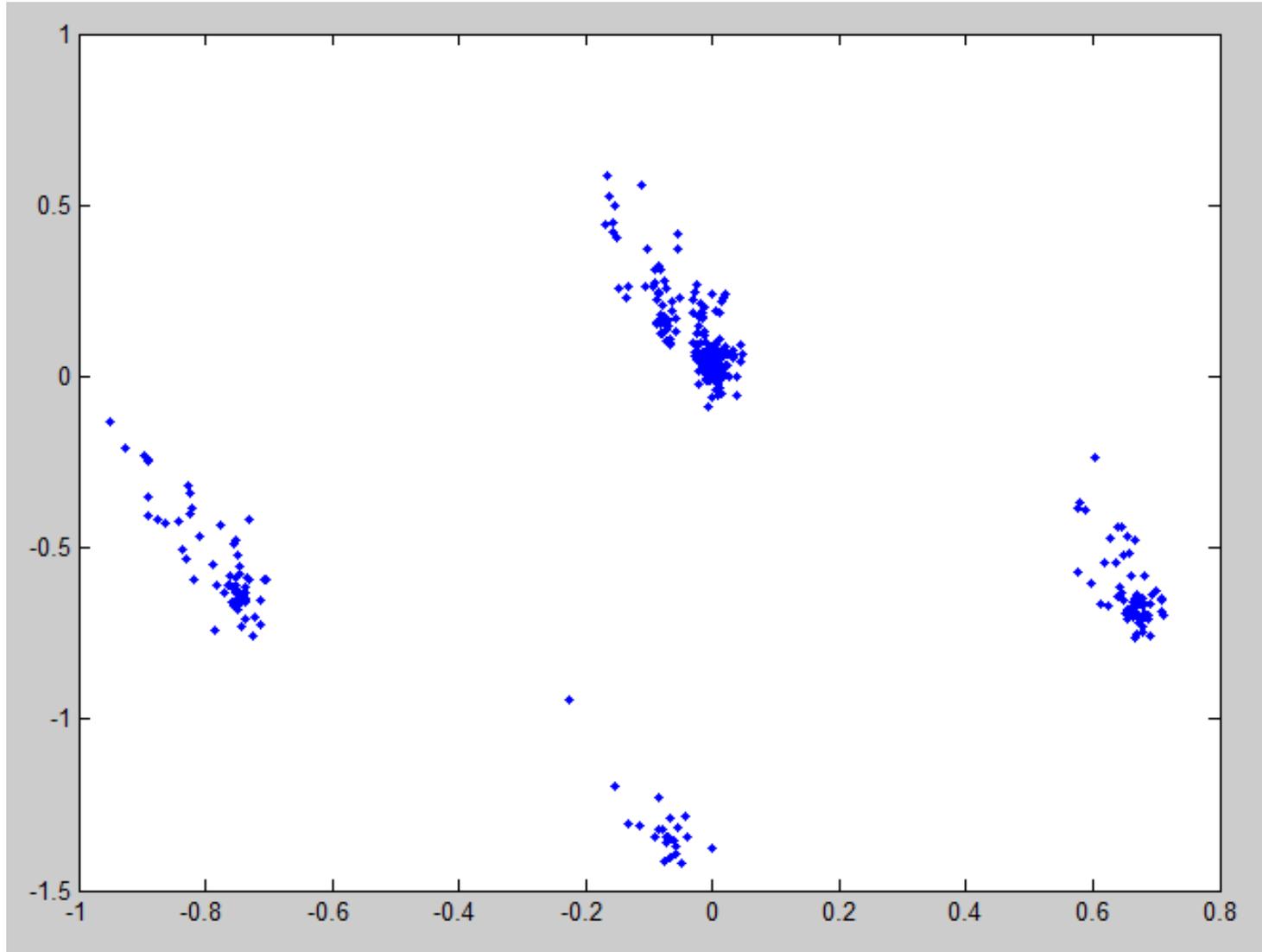


- **Forum Data**
- **Clustering Structure**
- **Topic Modeling**
- **Conclusion**

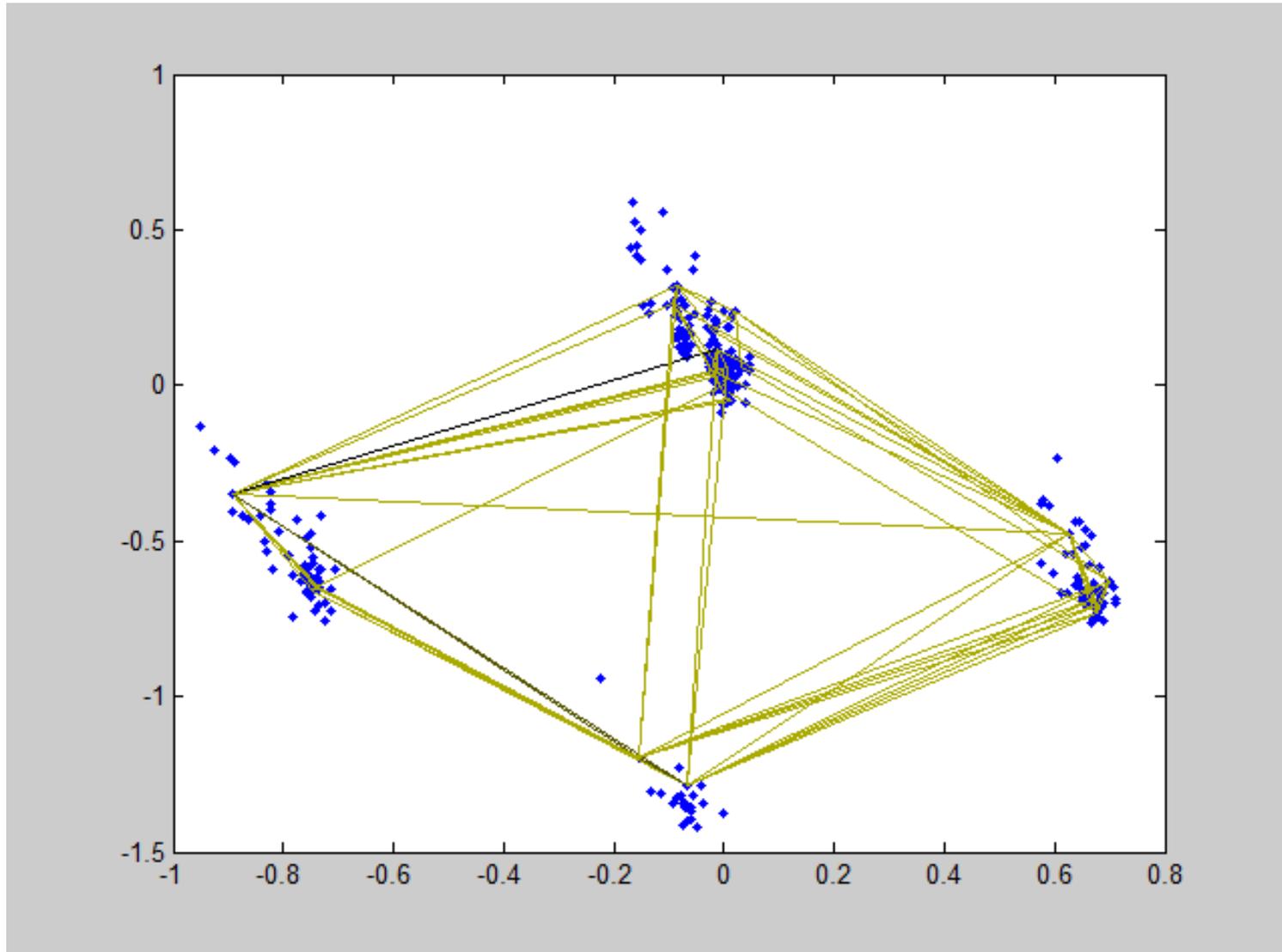
Clustering using PCA

User \ Thread	1	2	3	4	5	6
1		1				1
2						
3					1	
4	1		1			
5			1		1	

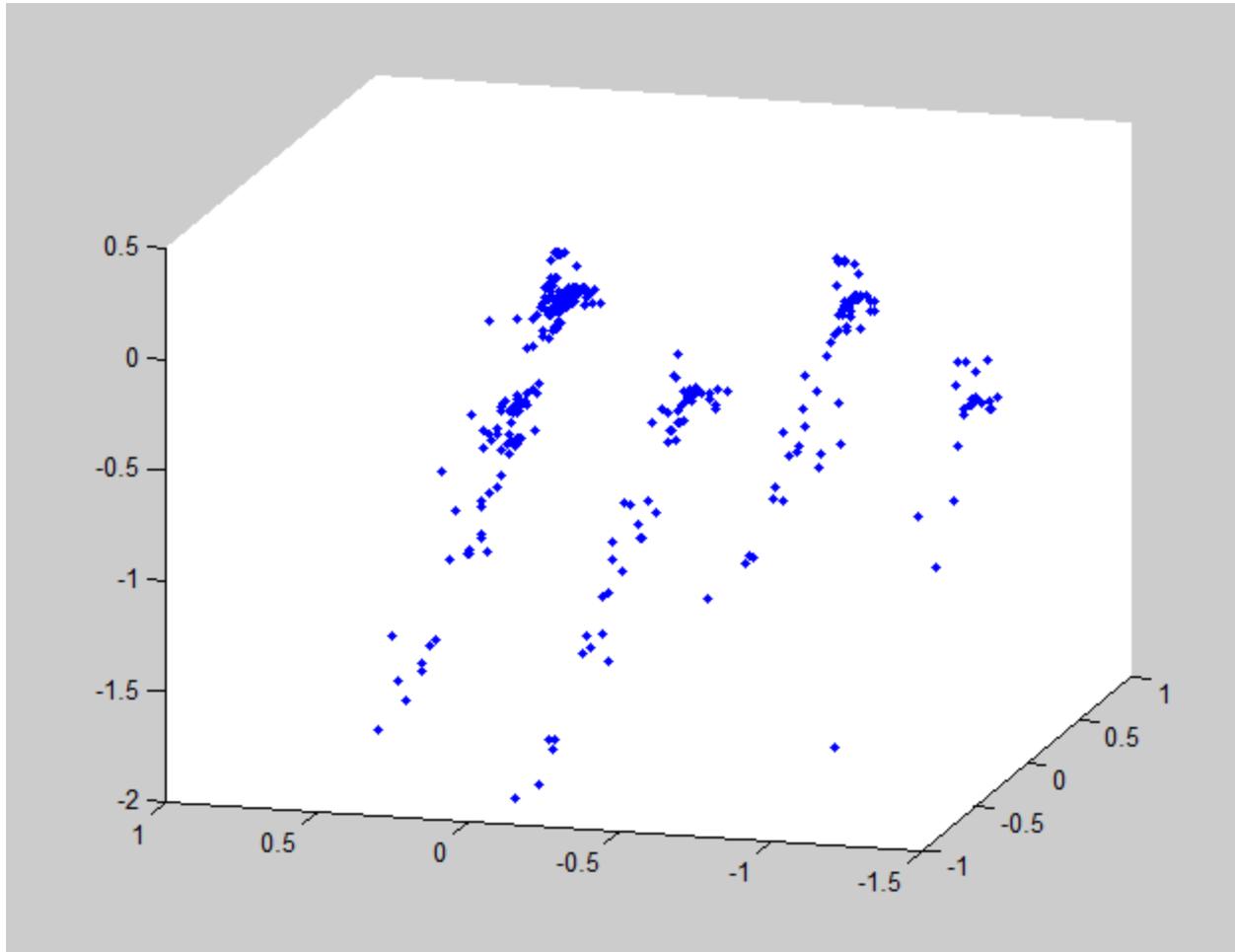
Social networks and clustering-stschina1



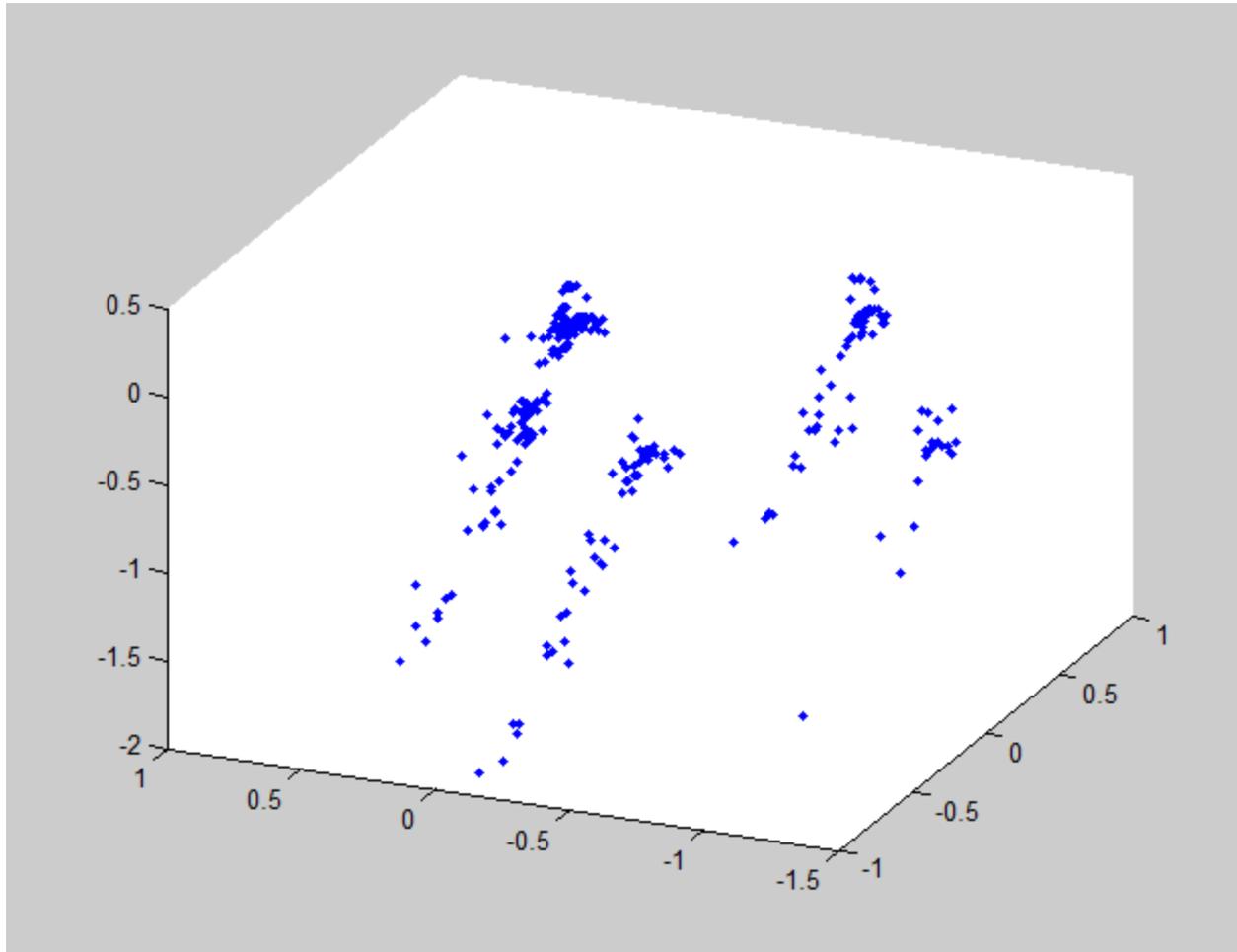
Social networks and clustering-stschina1



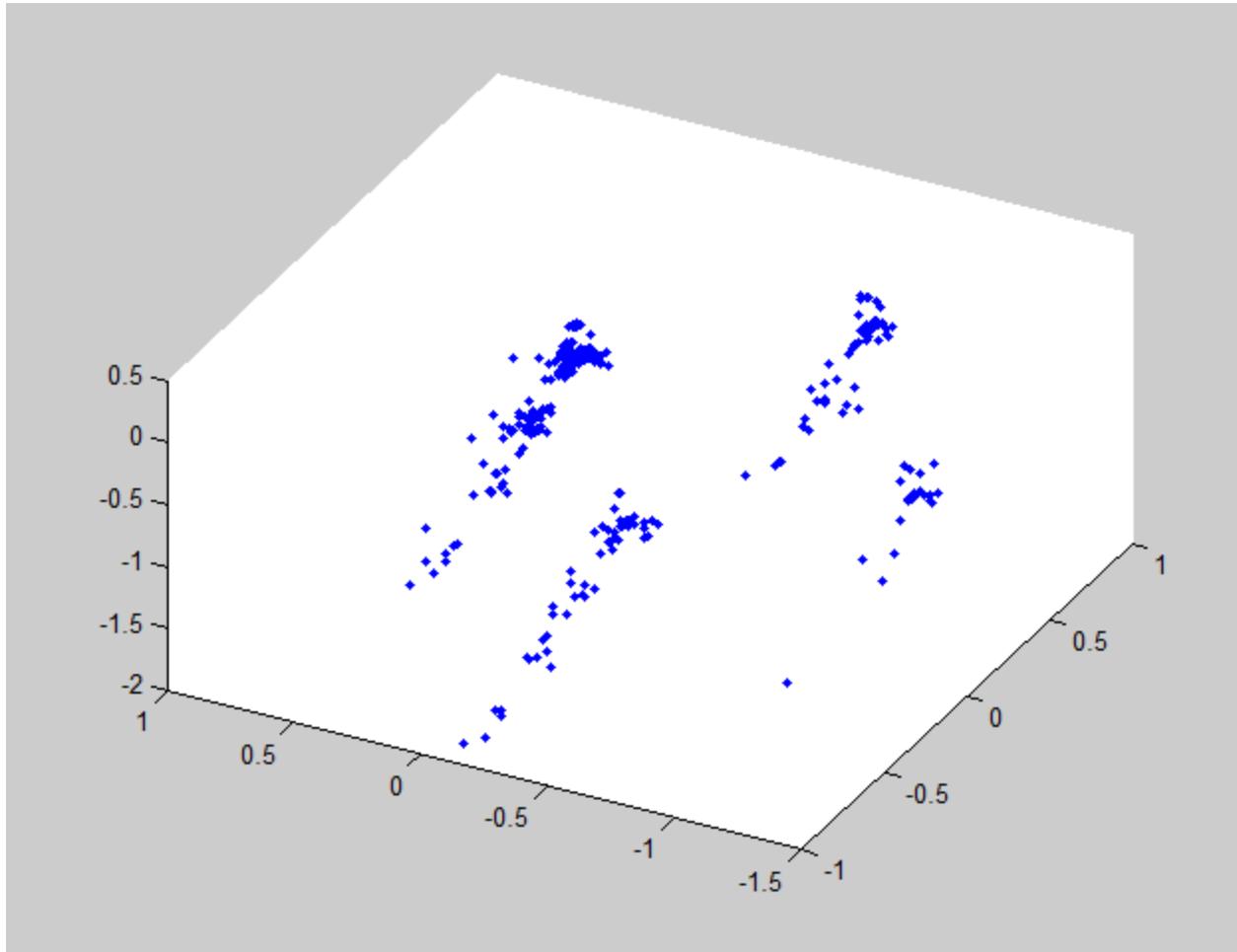
Social networks and clustering-stdchina1



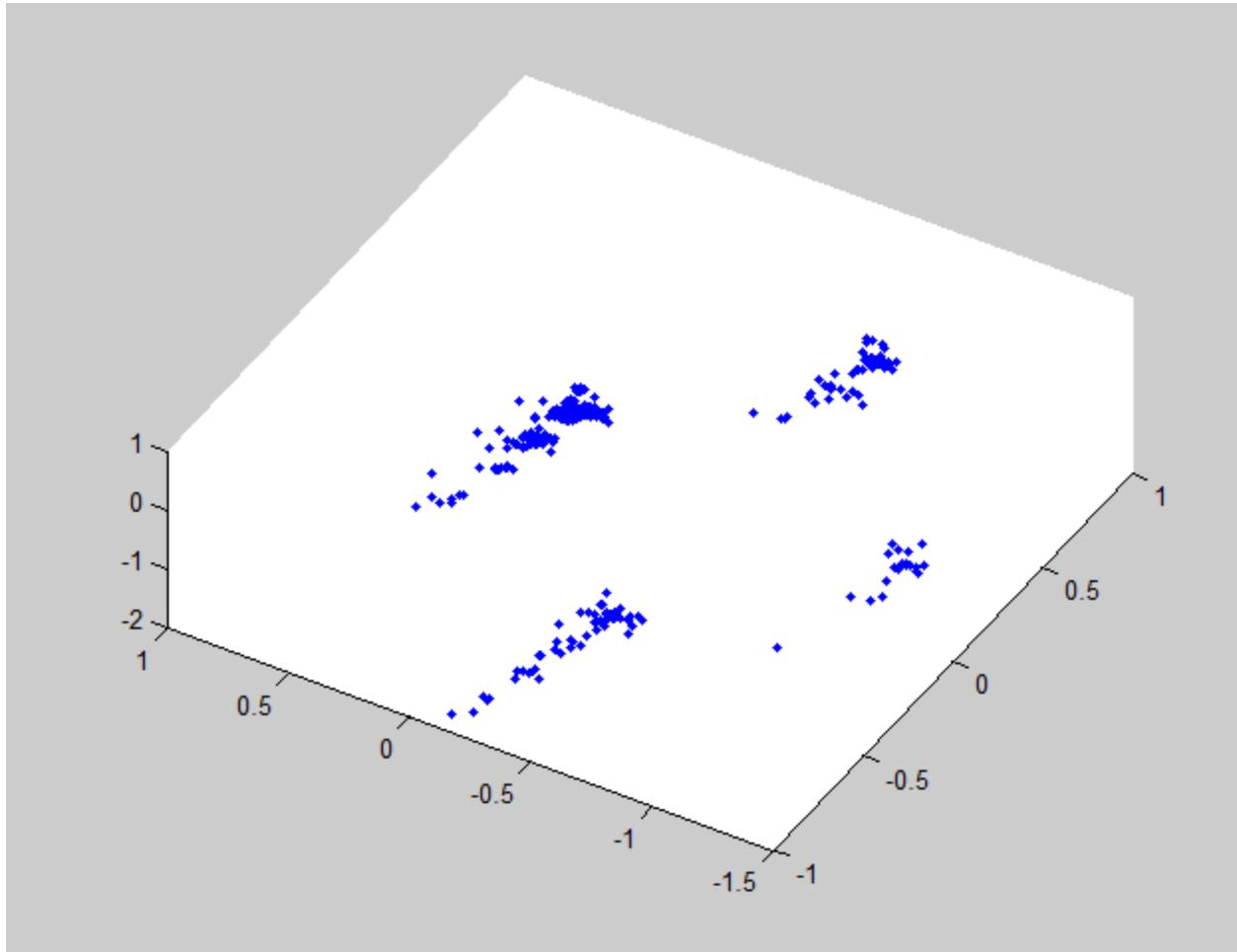
Social networks and clustering-stdchina1



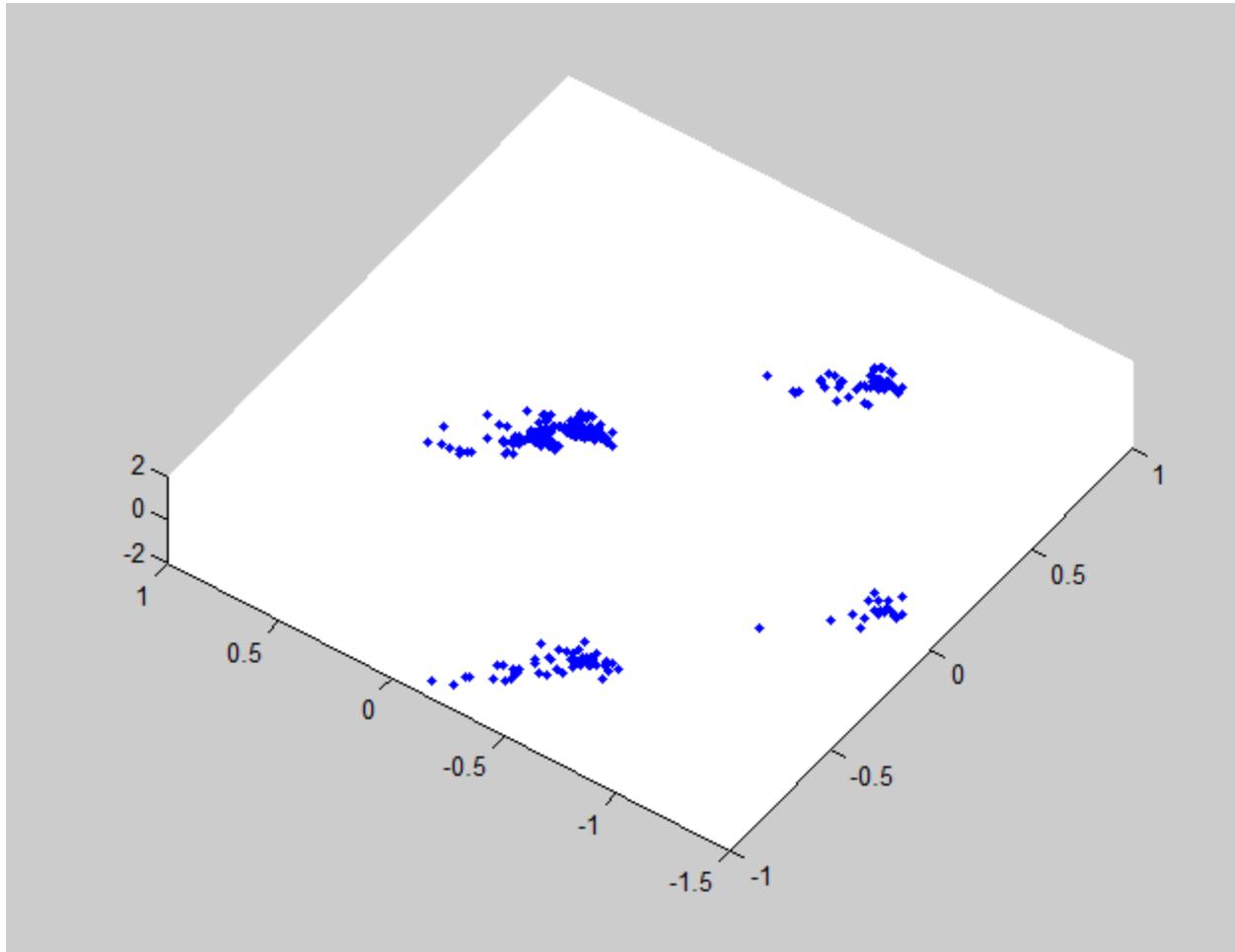
Social networks and clustering-stdchina1



Social networks and clustering-stschina1

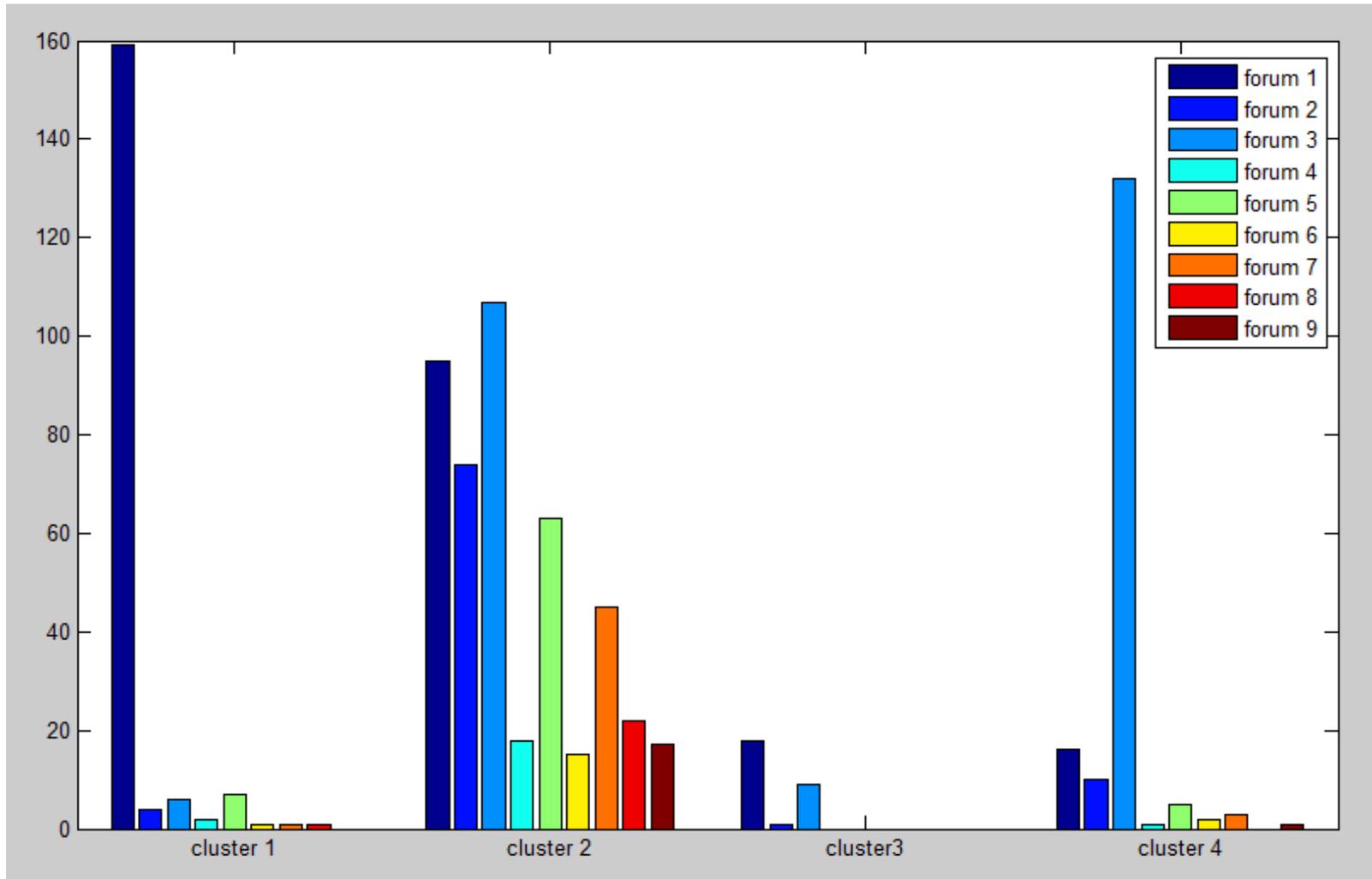


Social networks and clustering-stschina1



What clusters might mean

Forum distribution



What clusters might mean

User type – cluster 1

Passionate, outgoing, helpful
sometimes talking about serious questions

User **80e5db41946a6463192efc416acddb63bc450480**

Post 516: As a scientist, don't you think

Post 402: I am taking this course because

Post 404: Jos Muyres found a download on the Wiley site.

The address is

Post 407: Hi Everyone. My name is Barbara

What clusters might mean

User type – cluster 2

Less outgoing,

Almost always talking about serious questions

User **7643d42794487a9214c9a1e206ea7076bad0ab31**

Post 1465: Innovation being the practice of

Post 1688: Many/most modern products require

Thread 77: The idea that the world was

Thread 80: I have a major concern with

What clusters might mean

User type – cluster 3

**Passionate, not very helpful,
hardly talking about something productive**

User **95424a76f82f273fc03f5fb587ebc4de3f1357c8**

Post 34: Hello! I am Chamath. I am in St. Paul

Post 47: Hi Andy. I'm Chamath in St. Paul

Post 822: Thanks Linda, for the instructions and the

Post 1222: How do I join the group

What clusters might mean

User type – cluster 4

**Passionate, not very helpful,
hardly talking about serious stuff
sometimes talking about things that are
non-lecture-related but interesting**

User **3c224926ee2ec05205f3c21ba2914f787e5bfa03**

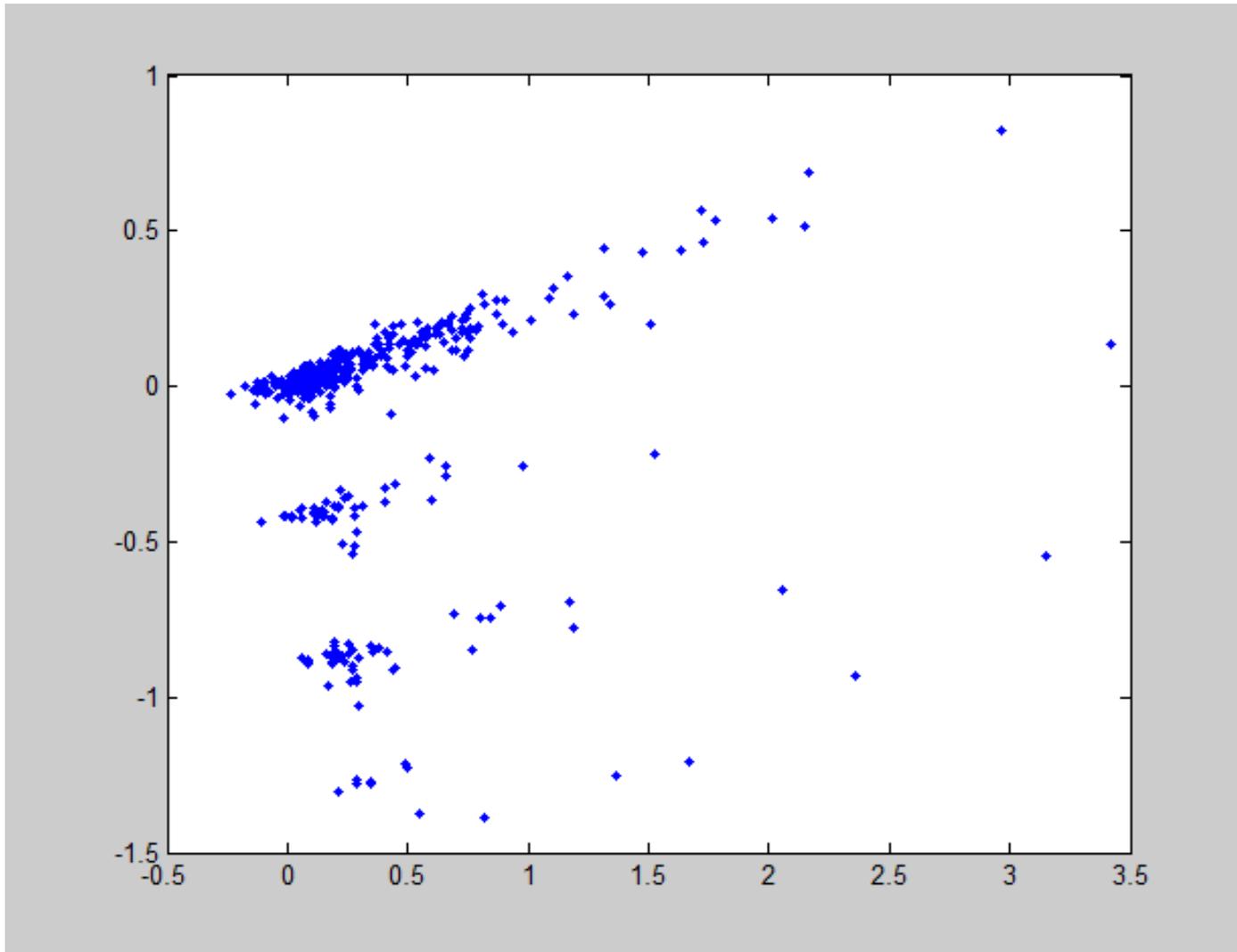
Post 44: I am Julia from near Leeds in the UK

User **3c224926ee2ec05205f3c21ba2914f787e5bfa03**

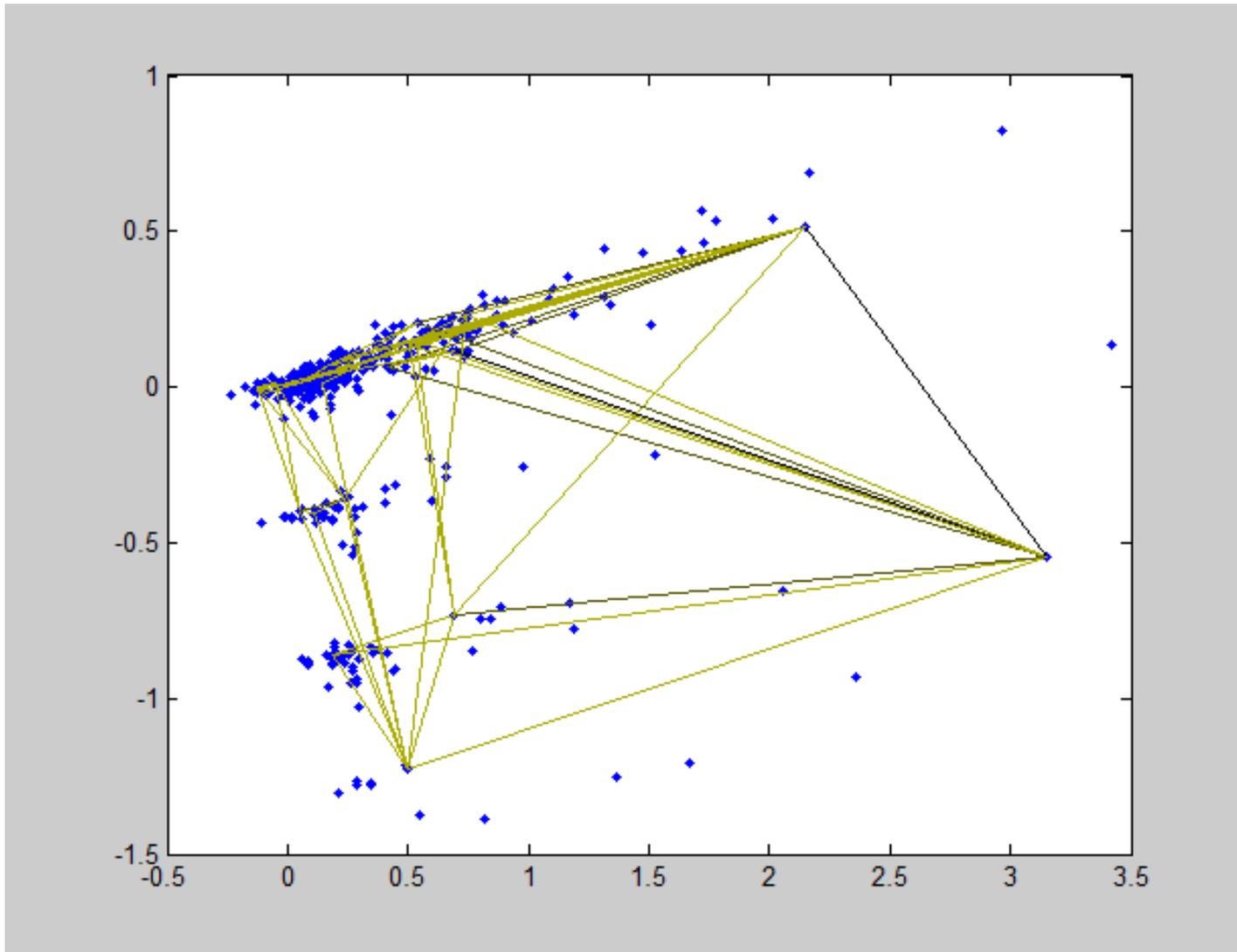
Post 107: what does the tag say in countries where
English is not spoken?

Post 121: Good to learn from a professor who works there.

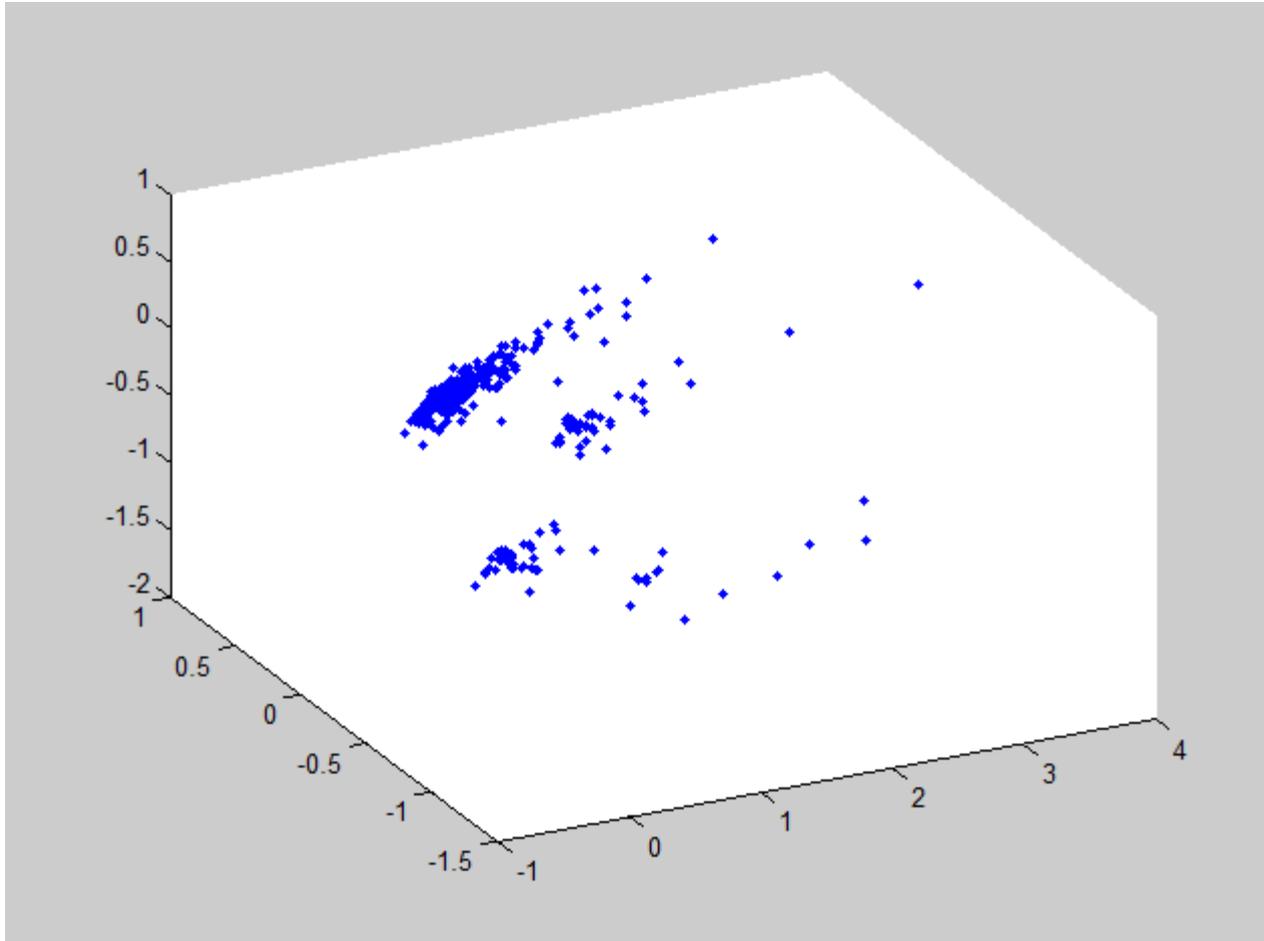
Other datasets – newchinahistory1



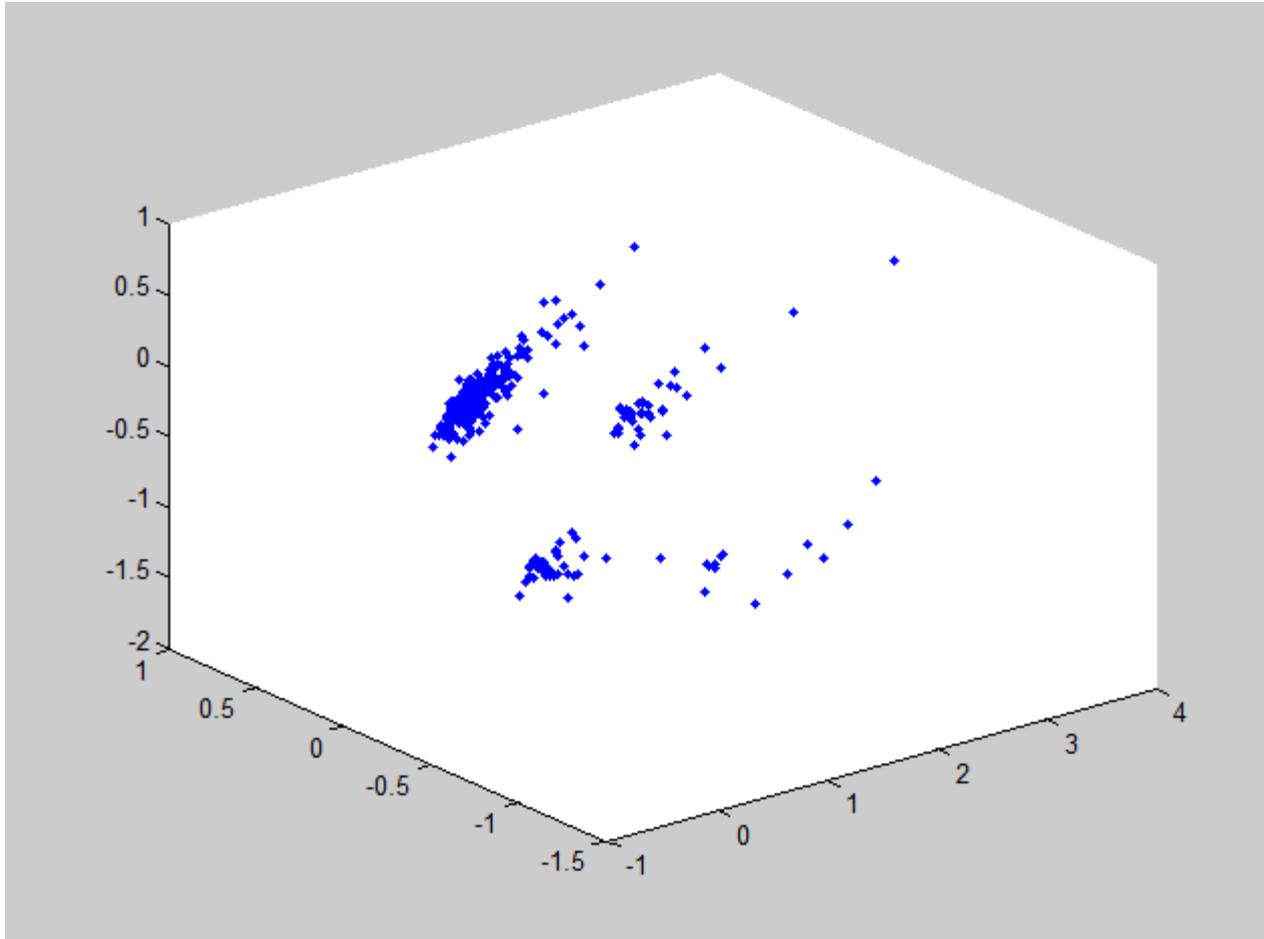
Other datasets – newchinahistory1



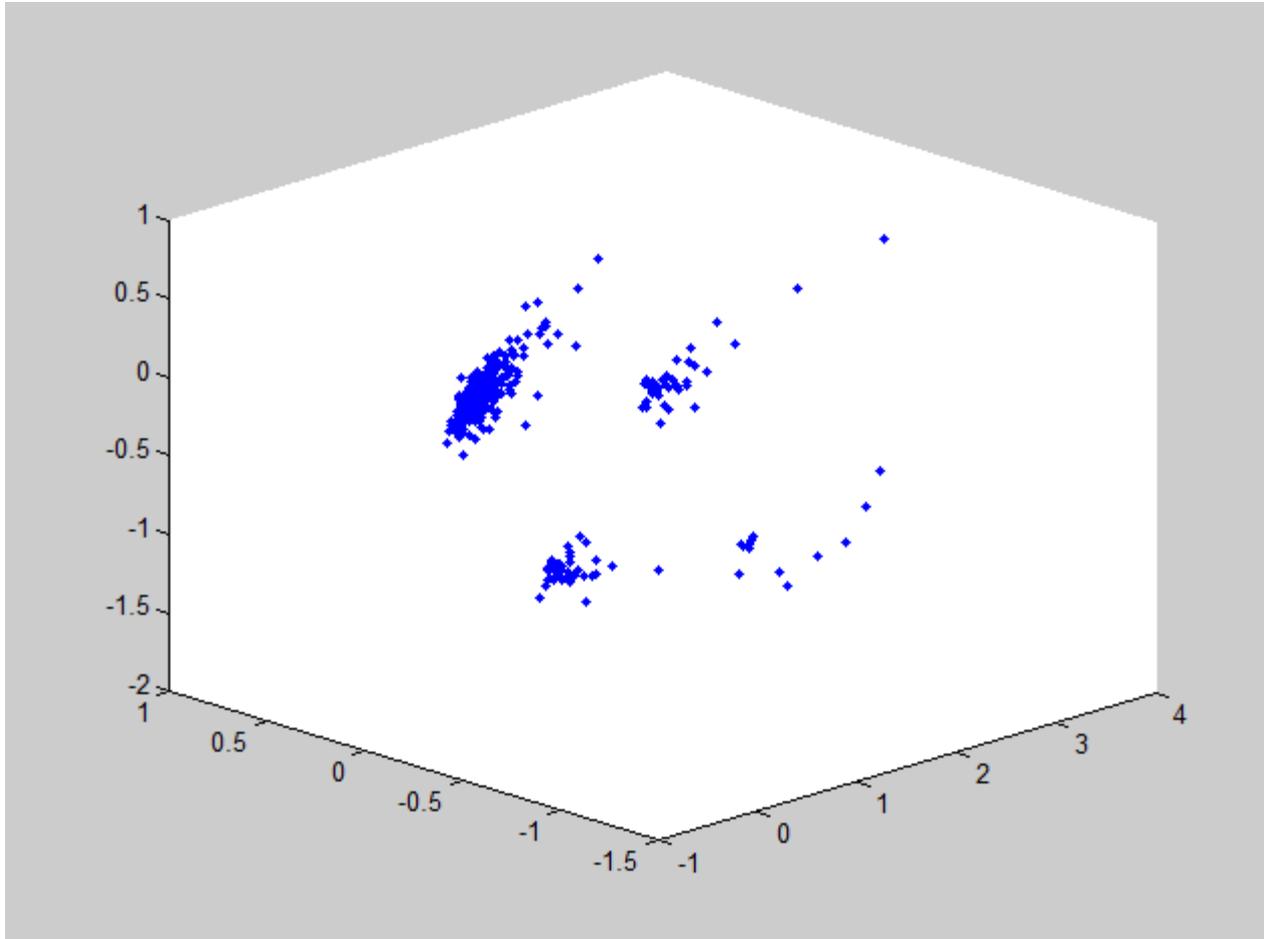
Other datasets – newchinahistory1



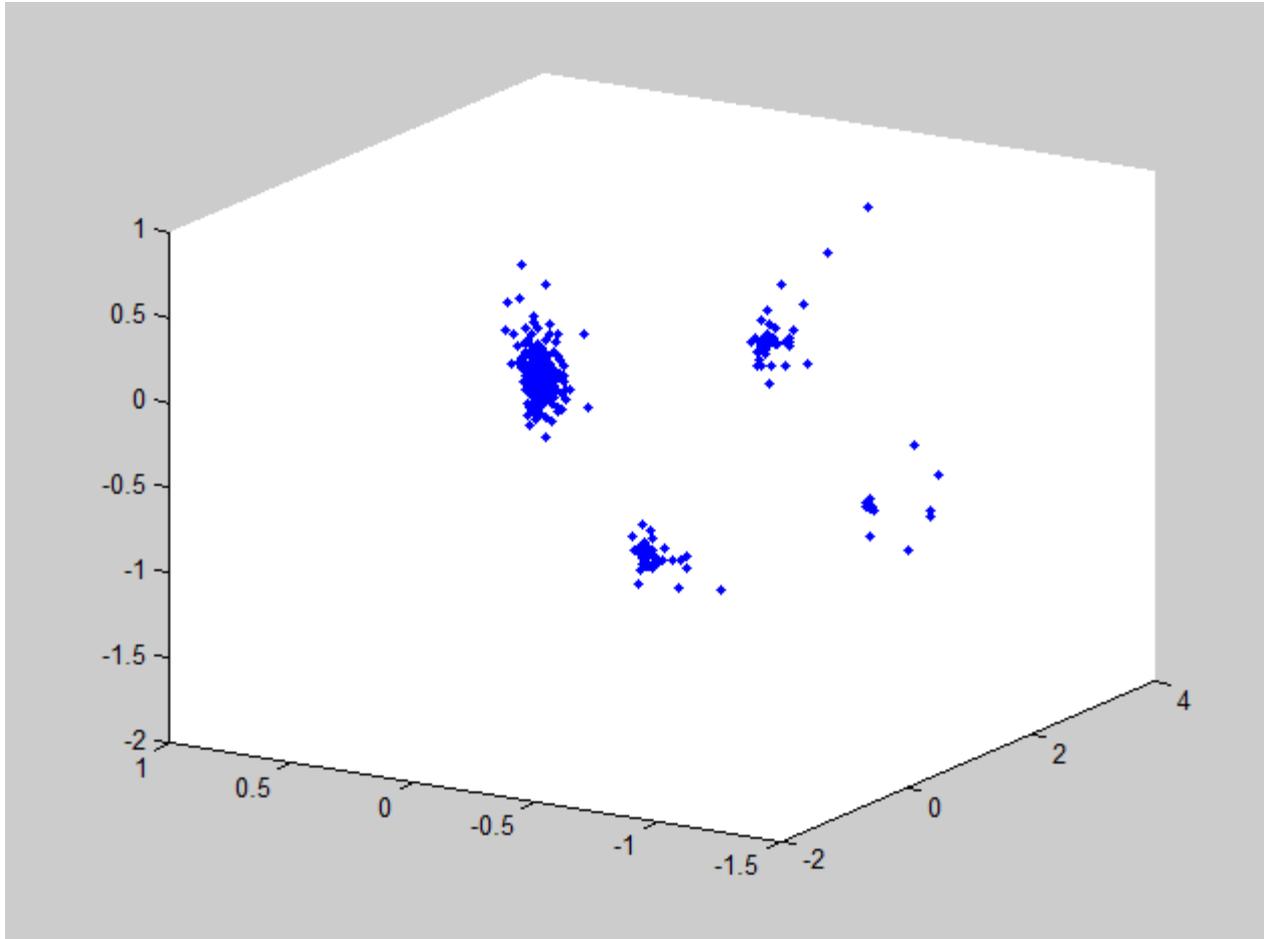
Other datasets – newchinahistory1



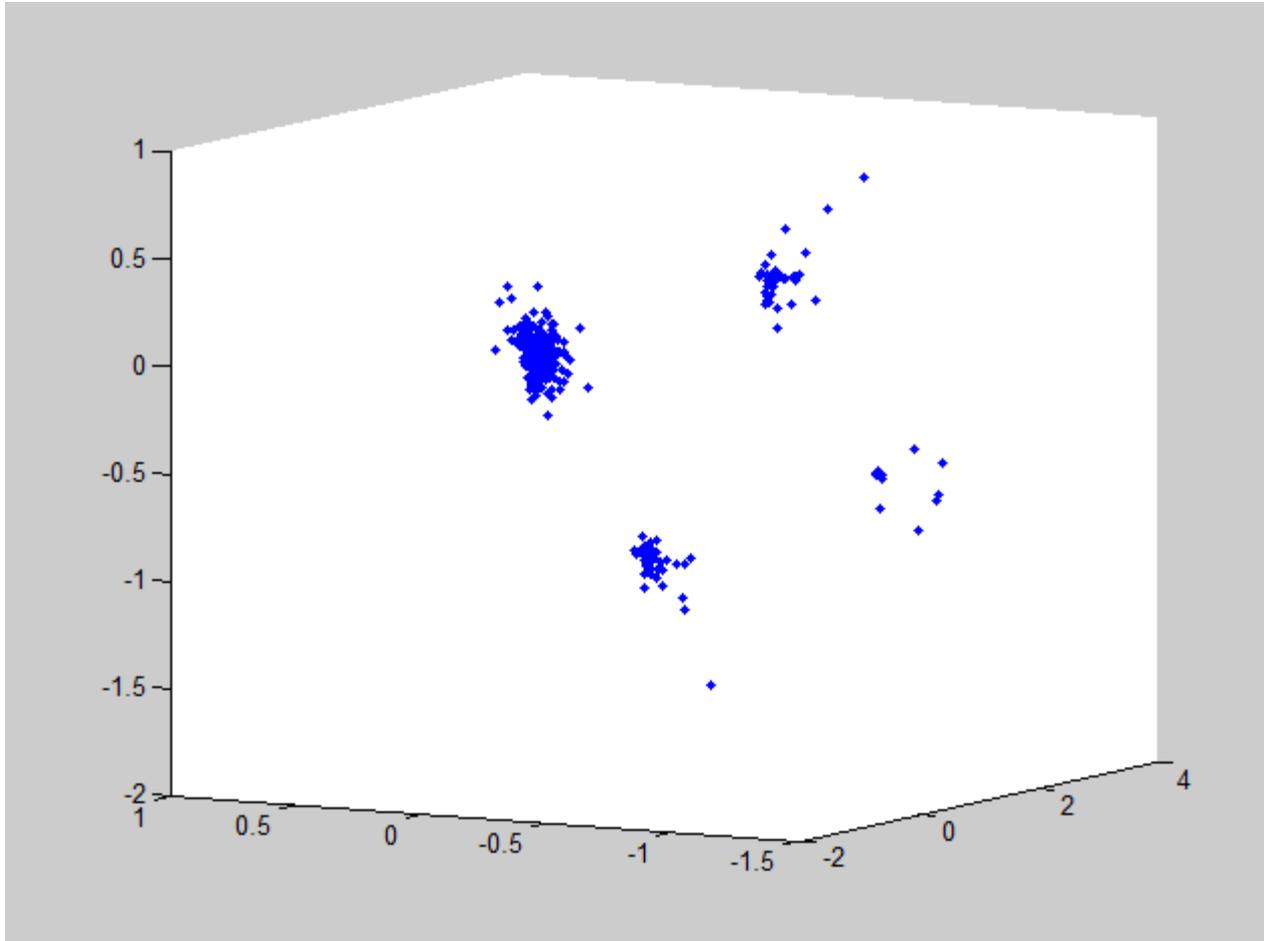
Other datasets – newchinahistory1



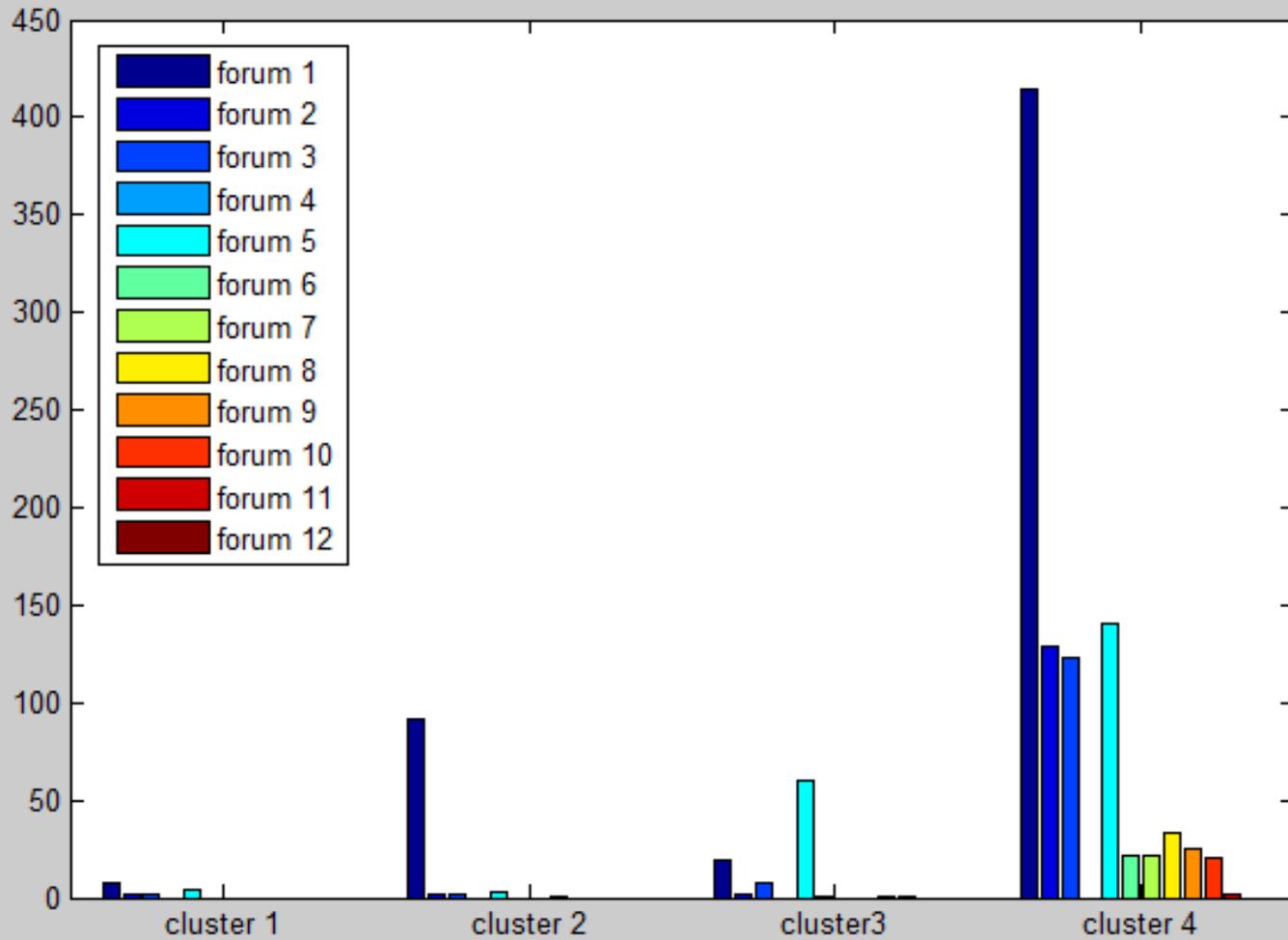
Other datasets – newchinahistory1



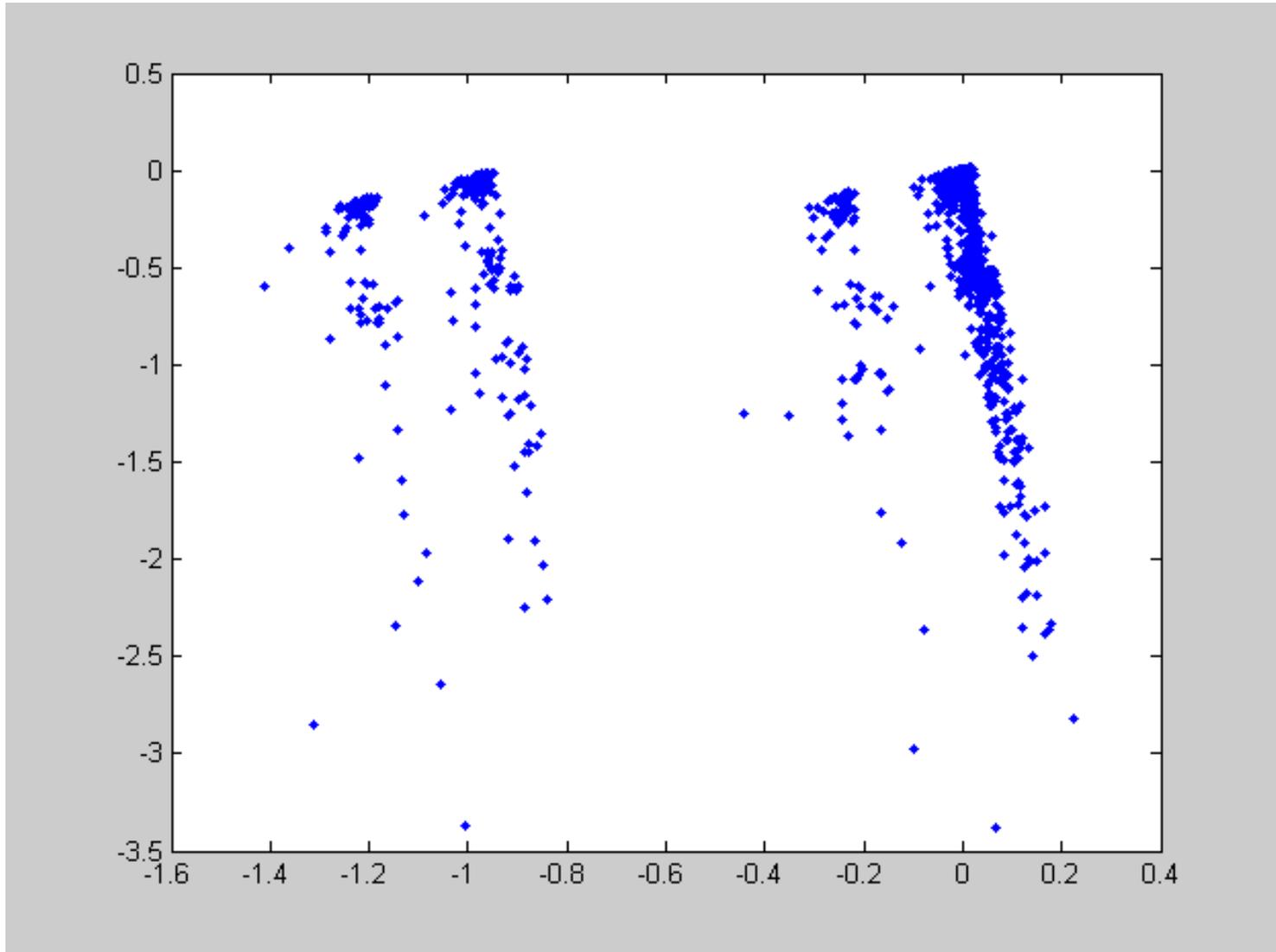
Other datasets – newchinahistory1



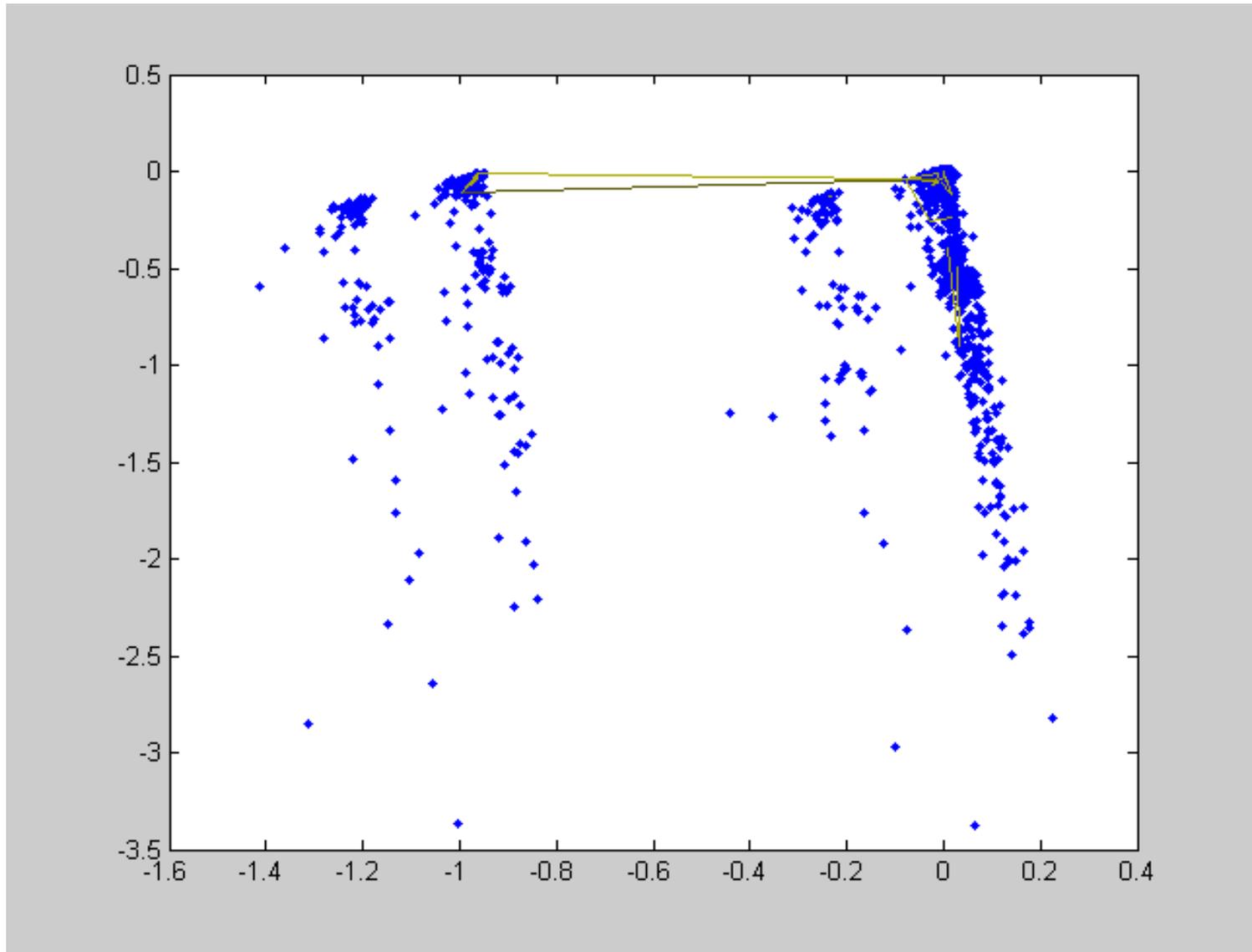
Other datasets – newchinahistory1



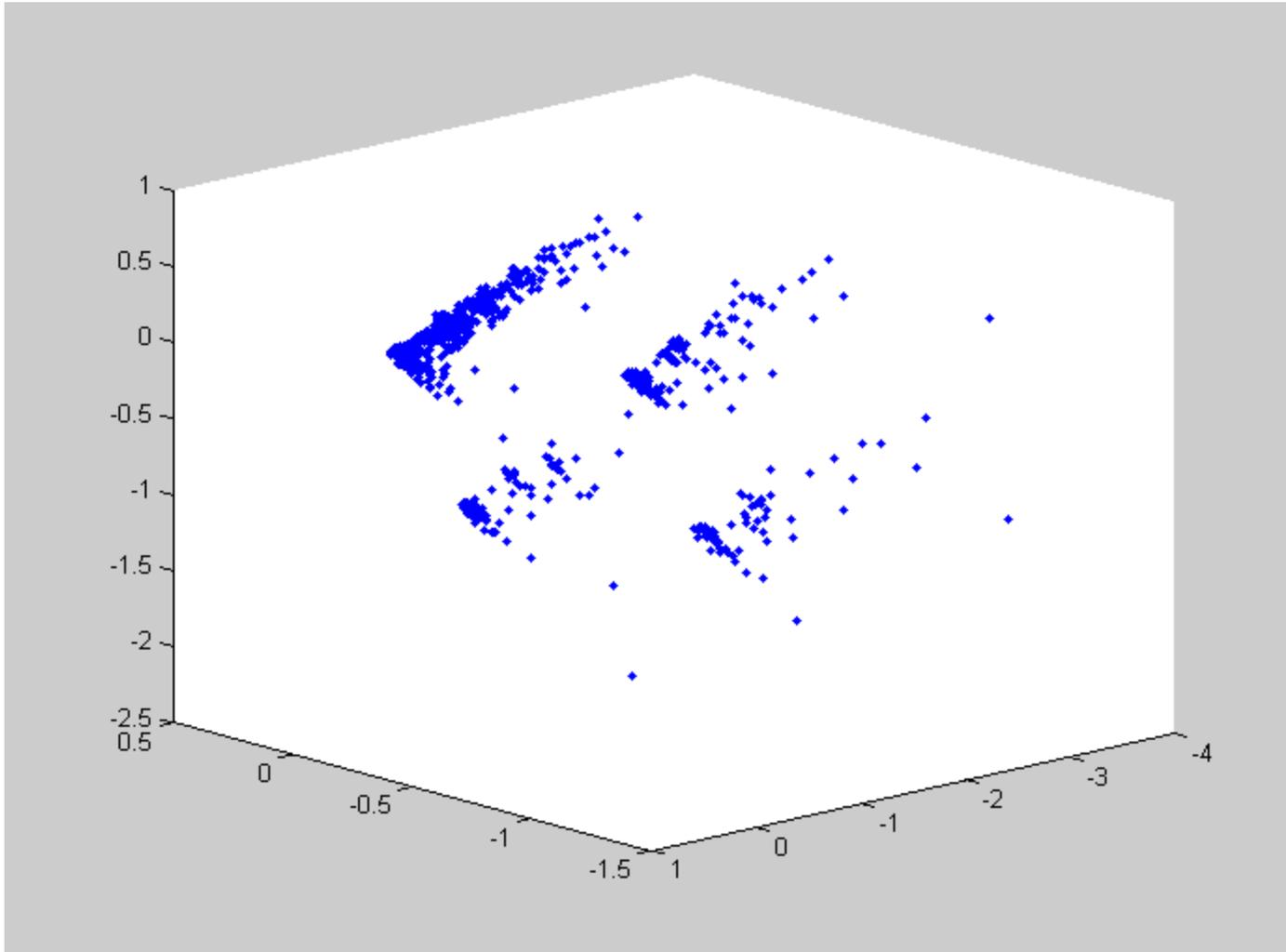
Other datasets – gastronomy



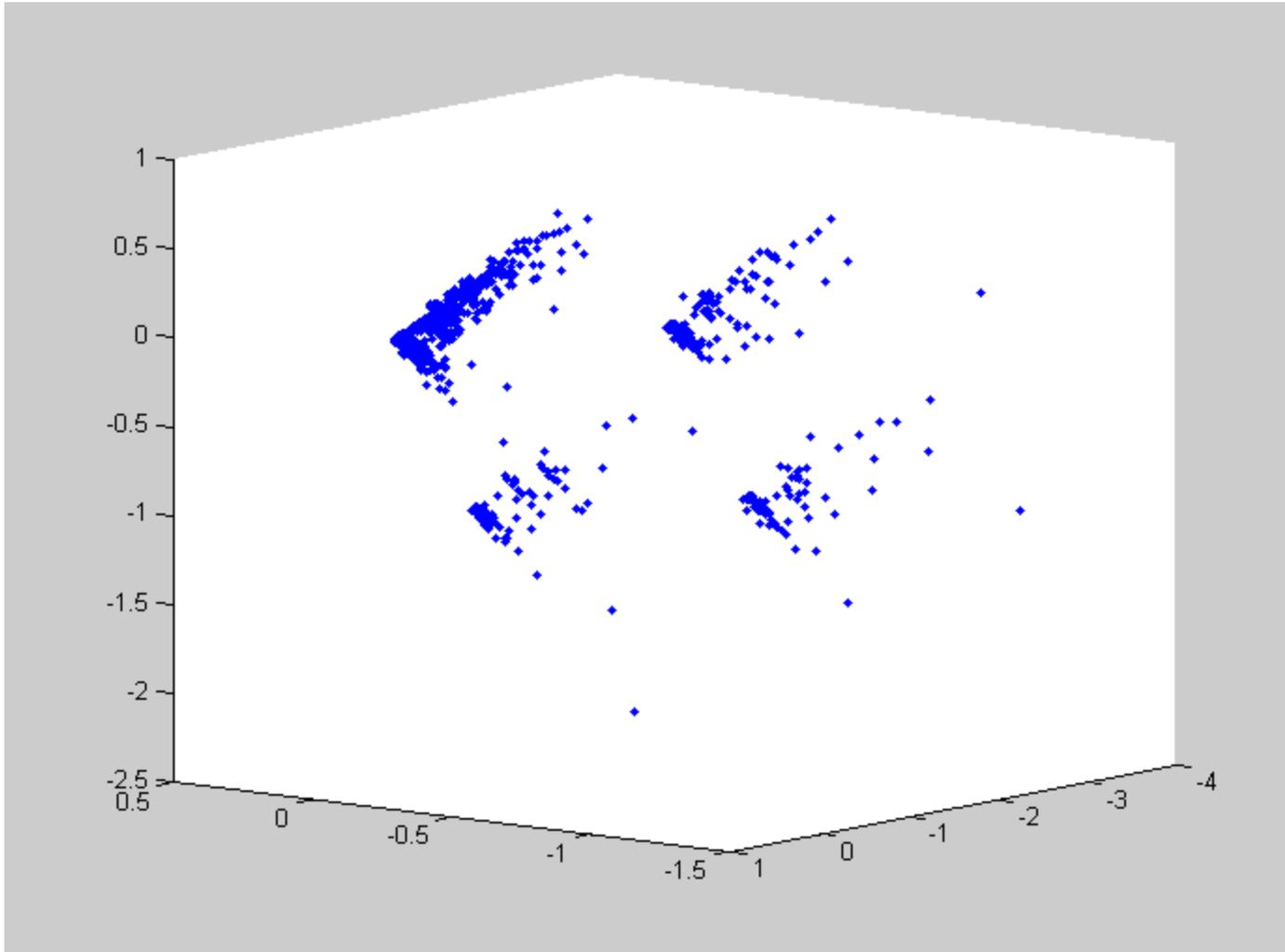
Other datasets – gastronomy



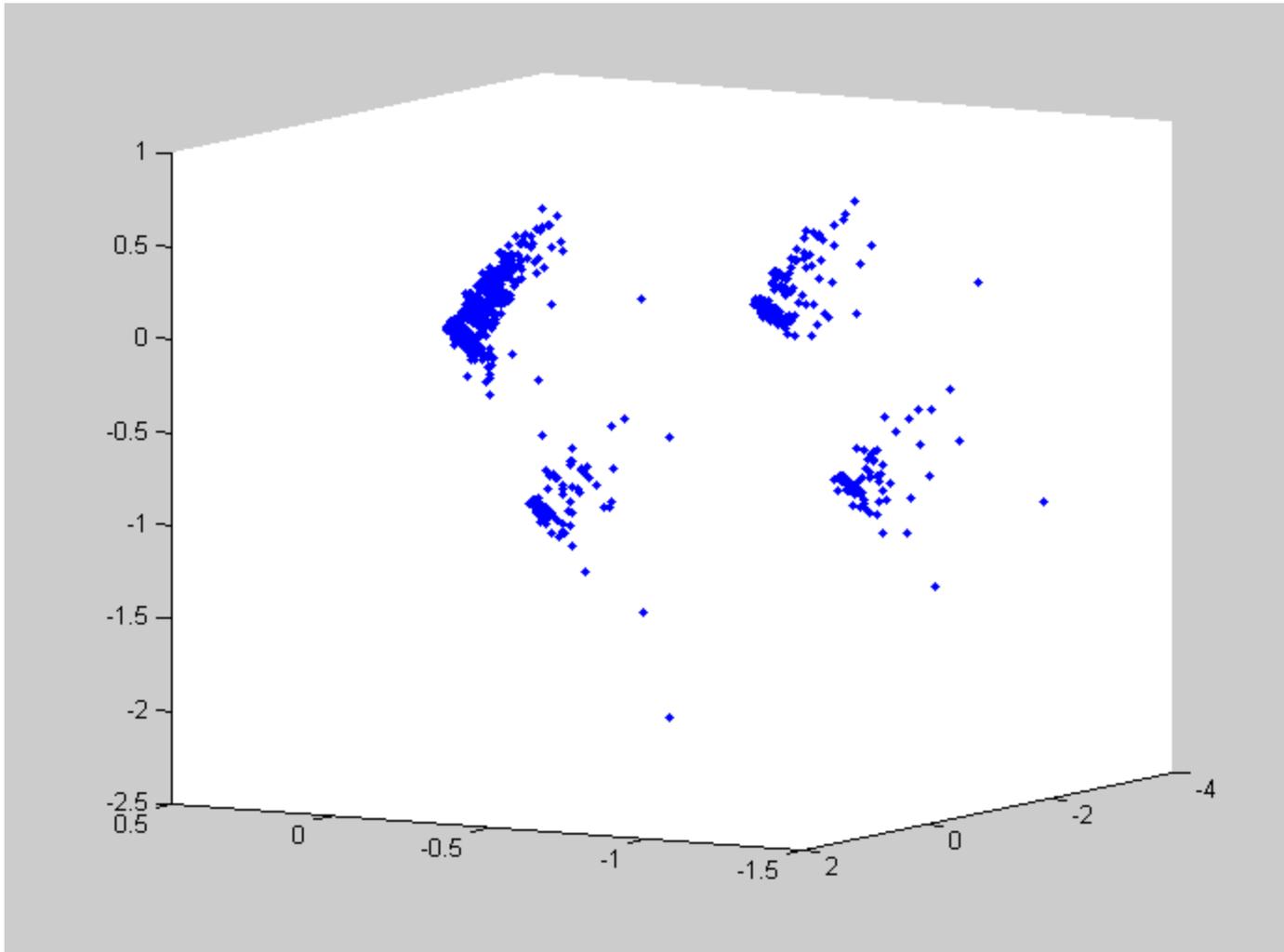
Other datasets – gastronomy



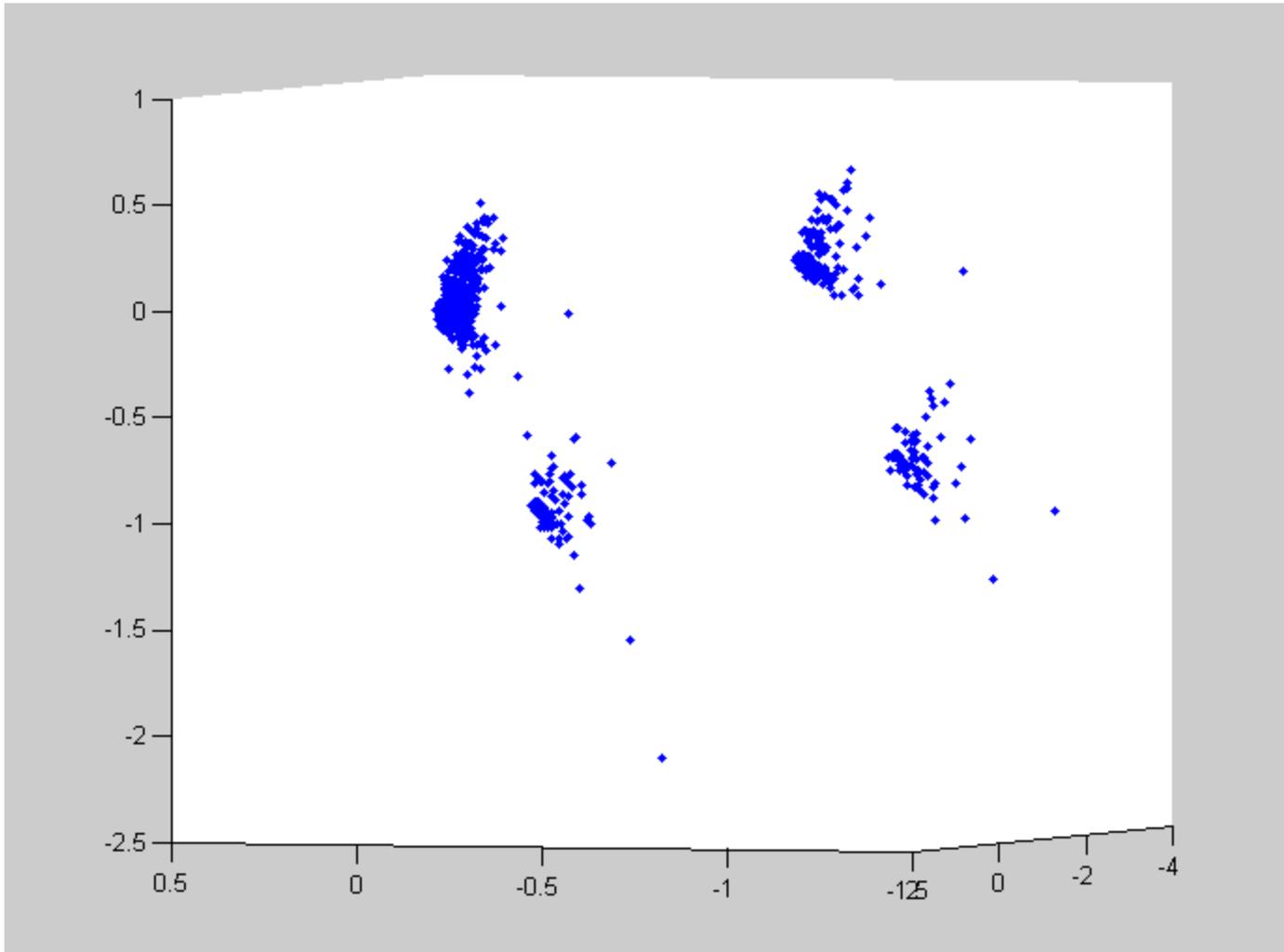
Other datasets – gastronomy



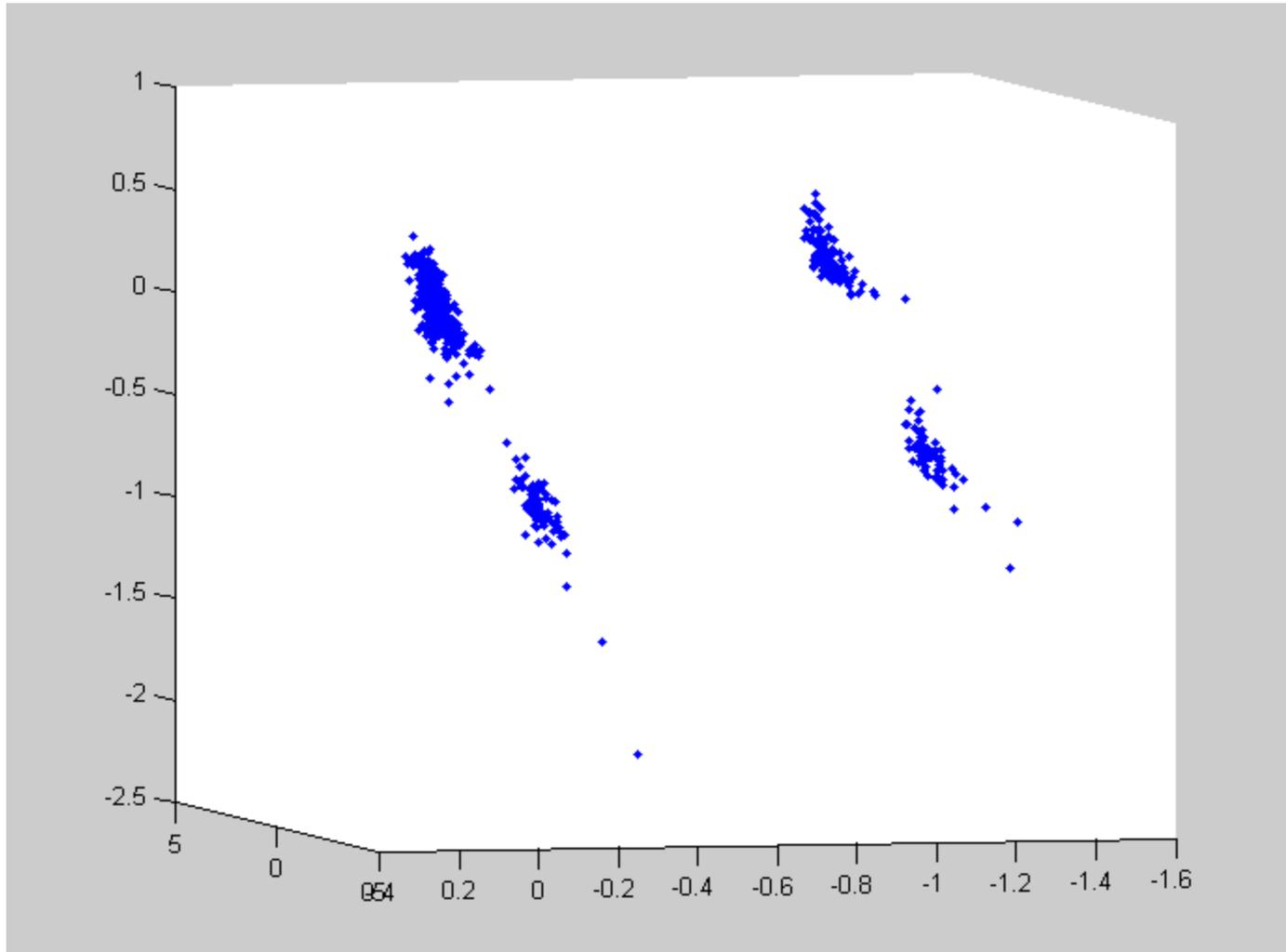
Other datasets – gastronomy



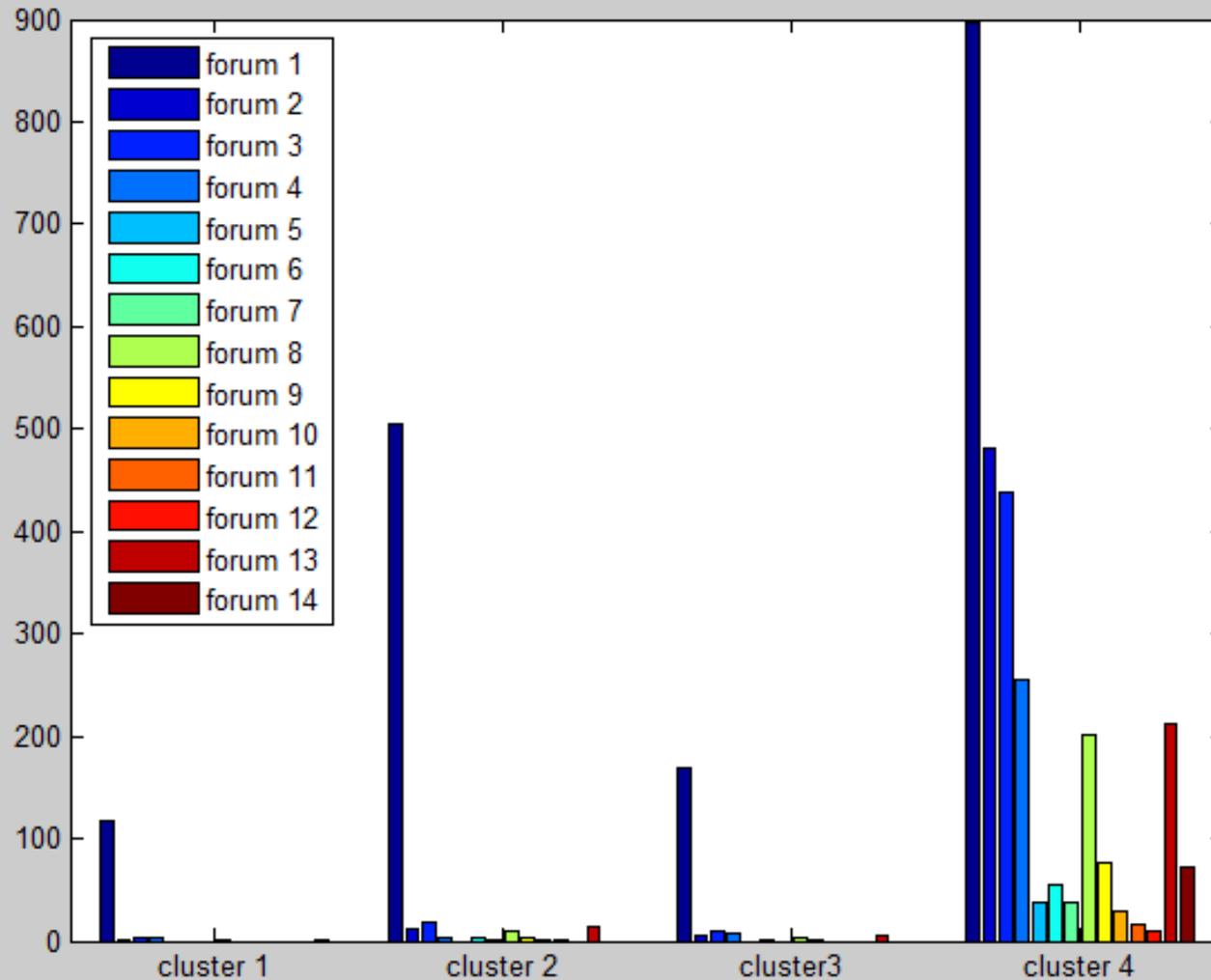
Other datasets – gastronomy



Other datasets – gastronomy



Other datasets – gastronomy



- **Forum Data**
- **Clustering Structure**
- **Topic Modeling**
- **Conclusion**

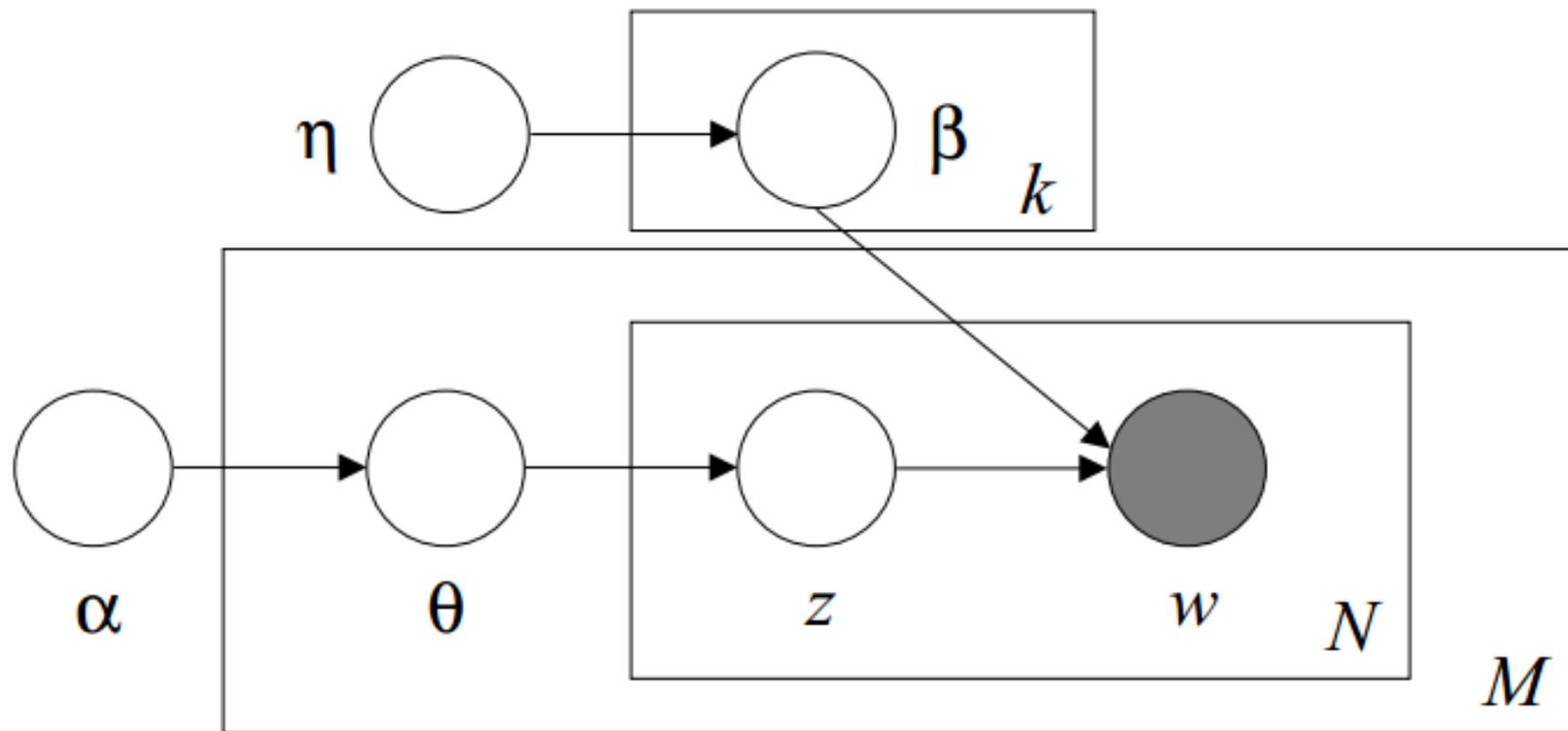
Topic modeling

Latent Dirichlet Allocation

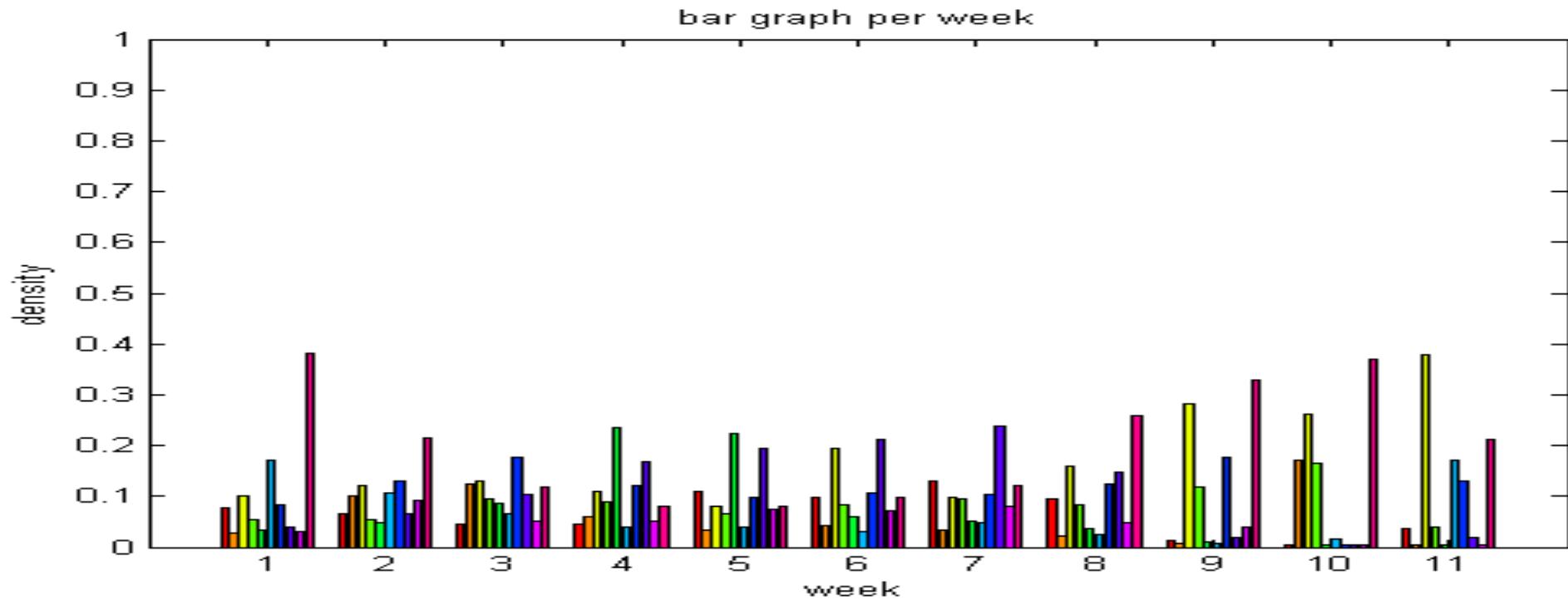
VS

Bag of Words

LDA



LDA for gastsci



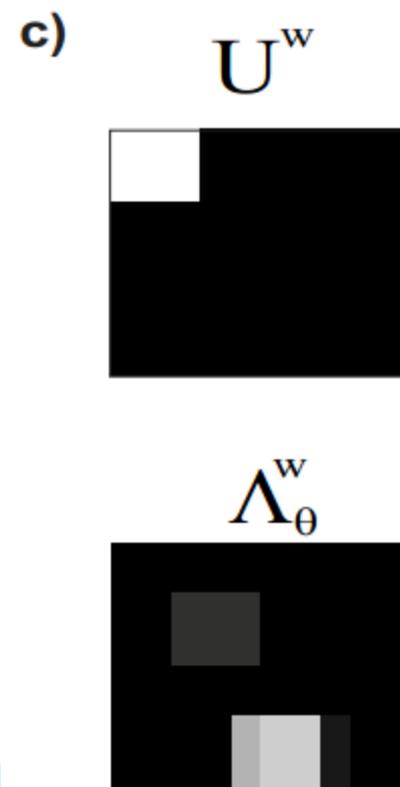
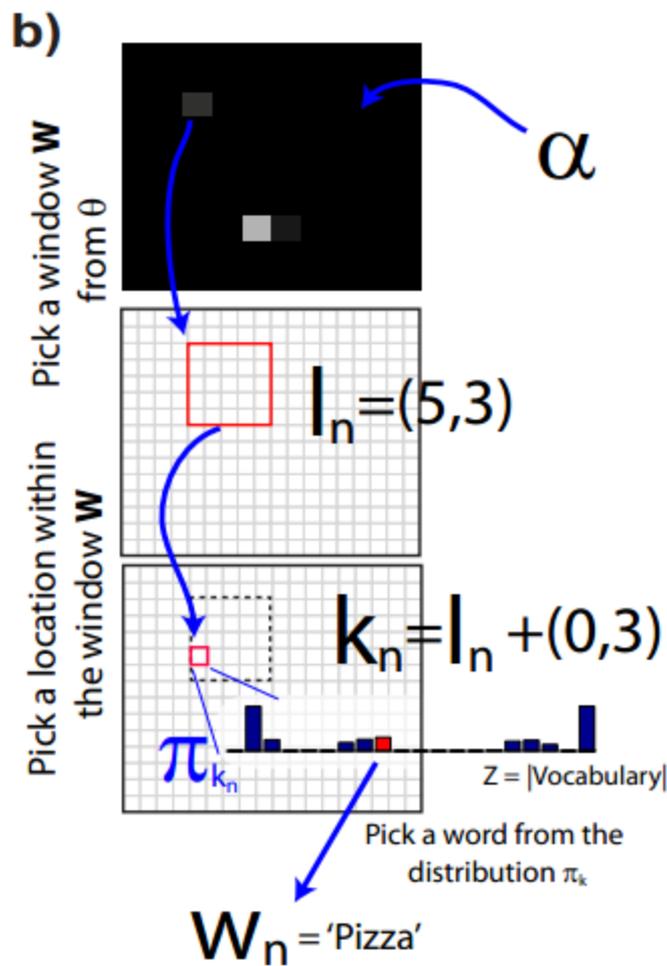
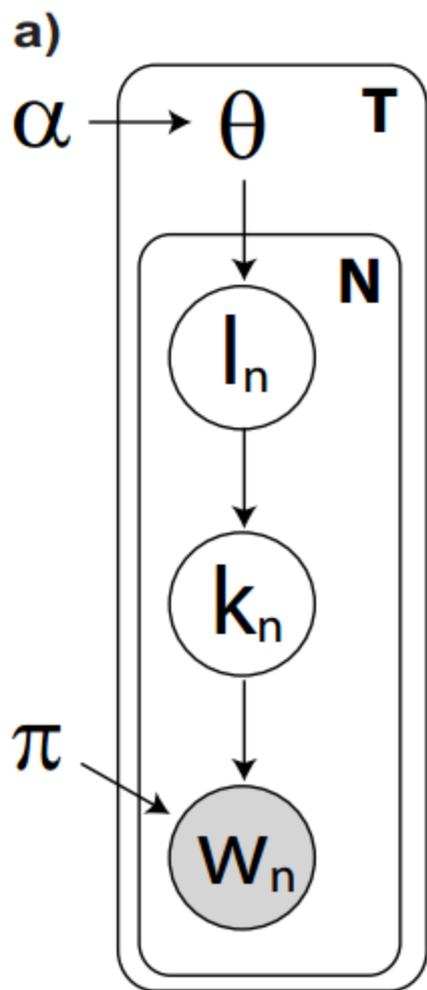
LDA for gastsci

'cook' 'cours' 'scienc' 'food' 'learn' 'love' 'new' 'recip' 'interest'
'cook' 'cours' 'scienc' 'food' 'learn' 'love' 'new' 'recip' 'interest'
'chocol' 'assign' 'would' 'time' 'wine' 'tongu' 'meal' 'question' 'experi'
'food' 'color' 'like' 'think' 'green' 'sweet' 'red' 'fruit' 'sour'
'food' 'color' 'like' 'think' 'green' 'sweet' 'red' 'fruit' 'sour'
'dish' 'add' 'meat' 'use' 'salt' 'cook' 'oil' 'sauc' 'fri'
'dish' 'add' 'meat' 'use' 'salt' 'cook' 'oil' 'sauc' 'fri'
'cook' 'cours' 'scienc' 'food' 'learn' 'love' 'new' 'recip' 'interest'
'cook' 'cours' 'scienc' 'food' 'learn' 'love' 'new' 'recip' 'interest'
'cook' 'cours' 'scienc' 'food' 'learn' 'love' 'new' 'recip' 'interest'
'thread' 'video' 'quot' 'post' 'forum' 'cours' 'lectur' 'week' 'scigast'

LDA for stschina1

'assign' 'grade' 'peer' 'cours' 'essay' 'request' 'regrad' 'evalu' 'word'
'assign' 'grade' 'peer' 'cours' 'essay' 'request' 'regrad' 'evalu' 'word'
'assign' 'grade' 'peer' 'cours' 'essay' 'request' 'regrad' 'evalu' 'word'
'assign' 'grade' 'peer' 'cours' 'essay' 'request' 'regrad' 'evalu' 'word'
'im' 'studi' 'cours' 'name' 'everyon' 'meet' 'chines' 'take' 'hope'
'im' 'studi' 'cours' 'name' 'everyon' 'meet' 'chines' 'take' 'hope'
'video' 'lectur' 'assign' 'week' 'cours' 'submit' 'time' 'download' 'late'
'video' 'lectur' 'assign' 'week' 'cours' 'submit' 'time' 'download' 'late'
'assign' 'grade' 'peer' 'cours' 'essay' 'request' 'regrad' 'evalu' 'word'
'assign' 'grade' 'peer' 'cours' 'essay' 'request' 'regrad' 'evalu' 'word'
'assign' 'grade' 'peer' 'cours' 'essay' 'request' 'regrad' 'evalu' 'word'
'assign' 'grade' 'peer' 'cours' 'essay' 'request' 'regrad' 'evalu' 'word'
'assign' 'grade' 'peer' 'cours' 'essay' 'request' 'regrad' 'evalu' 'word'
'assign' 'grade' 'peer' 'cours' 'essay' 'request' 'regrad' 'evalu' 'word'
'im' 'studi' 'cours' 'name' 'everyon' 'meet' 'chines' 'take' 'hope'
'innov' 'system' 'altern' 'model' 'approach' 'one' 'linear' 'technolog'
'advantag'

Componential Counting Grids



CCG for gastsci: Week 1

meat	oxtail	cook	better	way	us	student	enjoy	three	sound	sound	celeri	espero	soy	mariposa	dog	day	special	meat	meat
connect	three	mani	group	much	people	understand	teacher	made	like	satisfact	match	por	brasil	us	pig	vagan	vegetarian	fiber	kill
tissu	brais	ve	nutrit	peopl	understand	teacher		like	like	fresh	lettuc	da	lo	todo	facebok	babi	develo	ent	acid
cell	method	cook	home	basic	scientif	thank	thing	like	like	fresh	lettuc	da	lo	todo	facebok	babi	develo	ent	acid
form	slow	devic	kitchen	knowledg	read	inform	idea	agre	satisfi	pleasant	soy	el	olé	es	sp	shape	situat	even	anis
make	also	instude	mani	inform	improv	much	idea	contrib	must	sharp	hace	mi	mi	leo	plenti	sell	base	produc	effect
break	receptor	part	mani	cultur	interest	realli	help	great	fruit	ecuador	en	para	brasil	brasilian	googl	extract	diet	nutrient	digest
caus	requir	appli	relet	explain	topic	girl	understand	understand	cocktail	n	que	al	paulo	project	airway	pain	health	plant	enzm
ph	odor	vide	keep	consid	discuss	exchang	present	like	straci	ich	entend	ca	del	ca	older	get	humn	healthi	stomach
well	work	mean	far	anyon	vegetarian	wonder	ll	french	pour	erwe	on	la	de	la	so	banglor	pizza	one	pretti
import	well	import	ve	siagl	altern	friend	might	dout	erwe	on	la	de	la	so	banglor	pizza	one	pretti	
brine	level	creat	area	easi	come	gmo	refer	said	avec	la	est	est	est	est	est	est	est	est	est
case	avail	egg	far	ingredi	organ	recip	pls	le	et	hello	corso	boy	dough	water	flour	bread	also	like	like
rather	isn	possibl	long	keep	vegan	veg	calcium	ing	o	um	il	questo	font	make	frozon	plain	vinegar	addit	like
dessert	need	happen	term	bird	vegetarian	kidd	mani	creme	recept	send	di	di	ladi	result	flour	mush	butter	littl	read
rather	need	pleas	lectur	miss	non	microwav	fat	dan	cuisin	studi	look	take	ye	purpos	shrip	salt	ad	littl	sugar
qualiti	re	list	help	fast	substitut	per	flavor	author	da	research	onlin	luck	old	left	shell	soda	ball	suppres	shane
asian	option	help	slide	breath	search	breath	search	scientist	univers	in	biolog	sorry	coconut	water	water	salt	bitter	stomach	stomach
top	chang	video	back	might	effect	calori	includ	cilantro	new	curios	forward	forward	practic	lot	togeth	seafood	last	small	corn
amaz	problem	help	note	tri	might	molecul	best	indb	favorit	underr	canada	taught	nutrit	best	similar	bit	small	corn	fruit
freez	flash	problem	watch	provid	expos	energi	loss	system	favorit	underr	canada	taught	nutrit	best	similar	bit	small	corn	fruit
durian	file	page	see	play	wine	bodi	food	cheaic	scienc	learn	teach	fun	age	prof	call	india	pork	botl	botl
singapor	download	set	contant	gum	valu	caus	today	involv	glad	educ	new	gastroom	friend	king	place	common	chines	sheep	sheep
et	browsers	link	contain	man	brain	soap	creat	chemistri	collanti	excit	amz	team	day	chew	day	philippin	easten	like	like
site	open	coursem	see	picur	differ	type	food	happi	famili	course	year	chef	restaur	nice	chines	tea	tapicua	stomach	stomach
vote	account	attem	list	multi	gener	also	associ	reamid	comfort	behind	learn	new	mouth	everyon	contri	south	mexico	mexico	said
li	log	quot	coursem	creat	item	impact	peopl	reamid	comfort	behind	learn	new	mouth	everyon	contri	south	mexico	mexico	said
duck	close	001	flavor	could	chocol	less	eat	peopl	know	start	go	hope	name	everyon	live	seet	guy	ma	de
poke	eye	scigant	detail	smoth	rate	choool	peopl	know	stuff	still	sinc	life	american	world	china	sear	del	en	en
poke	post	org	quiz	person	candi	ever	eat	tri	haven	next	abl	ago	local	travel	contri	franc	barcelona	desd	la
conduct	problem	if	thread	forum	smoth	choool	cracker	good	meal	one	week	time	love	hi	glutn	italian	cuisin	usa	lo
violations	sigant	or	comment	comment	dark	satiati	real	doesn	particip	two	week	two	free	pelco	state	spain	salud	desd	la
soy	quantiti	11	chip	re	senat	sent	feel	ask	answer	got	assign	deadlin	watch	com	com	blog	mexico	colombia	con
al	part	nose	bate	mouth	mouth	good	full	question	get	grade	date	ginn	wiki	book	share	ferrom	no	que	que
33	humbl	abusfor	-	id	intens	affect	four	10	get	complet	submit	view	23	com	com	book	si	por	por
smushrom	yesterday	dish	ingredi	dish	textur	like	would	test	question	got	sure	due	may	articl	vav	sr	swesm	cake	burger
grow	made	potato	sweet	strong	even	like	guess	result	sure	right	quot	hovv	2013	htal	co	berheup	ca	dessert	indian
bread	sandwich	onion	husband	strong	tast	abl	surpris	wasn	suppos	order	submit	talk	allergi	03	mcgee	kitchen	everyday	meringa	rhubarb
leav	made	pepper	chees	aroma	tast	receptor	flavour	respons	would	red	color	give	lets	attitude	amazon	cookbook	egg	bake	seed
mix	spice	fresh	combin	salti	umami	doesn	senst	option	think	think	quot	percept	banann	serious	ref	patri	batter	cake	potato
pie	slice	cucumb	corn	dish	meati	detect	tongu	astriing	sair	statak	grey	strawberri	back	gram	gram	joy	sine	roll	creat
onion	salad	tomato	spici	smell	tast	bitter	tongu	certain	colour	green	yellow	sour	vinegar	solot	100	half	cup	add	add
garlic	rice	sanc	delici	delici	tasteless	bud	case	green	thought	blue	green	seet	amz	reduc	al	cup	put	broom	onion
oliv	chile	also	skin	ayth	area	cocoo	gener	yellow	brown	brown	brown	brown	individu	archiv	teaspoon	pressur	tablespoon	top	add
oliv	garden	tomato	italian	tri	sometin	sometin	anyth	english	brang	black	lemon	examl	liquid	molecul	water	boil	bovl	curri	fri
garlic	combin	egplant	let	vegt	etc	beauti	coffe	away	purpl	white	juic	usual	wrap	measur	high	place	cover	add	oil
pepper	bite	veget	home	grow	kind	other	particular	fraid	often	fruit	appl	depend	depend	point	room	get	30	oven	chop
carrot	roast	melon	spertast	super	earli	without	eis	someth	prefer	alway	one	hot	higher	water	temperature	degre	sinut	serv	season
piec	melon	spertast	super	earli	without	eis	someth	prefer	alway	one	hot	higher	water	temperature	degre	sinut	serv	season	
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	beat	heat	water	medium	soft	grill
veg	fish	veg	part	willet	australia	one	number</												

CCG for gastsci : Week 2

meat	ostail	cook	better	way	us	student	enjoy	three	sound	sound	celeri	espero	soy	maripom	dog	day	special	meat	meat
hour	connect	three	manl	manl	people	us	made	made	like	like	like	like	brasil	like	avocado	veg	vegetarian	fiber	
tissu	brais	ve	nutrit	nutrit	people	teacher	other	other	like	satisfact	match	pea	gusta	personall	hotel	game	bad	natur	kill
cell	method	cook	home	basic	scientif	think	thing	like	fresh	lettur	da	lo	todo	facebook	habi	develop	eat	acid	fat
form	slow	devic	kitchen	knowled	read	inform	idea	agre	satisfi	pleasant	soy	el	ole	sp	shape	situat	even	anim	protein
make	also	instedu	mani	inform	ignor	hope	much	contrib	must	sharp	hace	mi	es	leo	plenti	seil	base	produc	effect
break	receptor	part	manl	relat	explun	topic	realli	help	great	fruit	ecador	en	para	brasil	googl	extract	diet	nutrient	digest
caus	requir	appli	keep	consd	discus	exchang	like	strai	ich	extend	en	para	al	paulo	project	anyway	pain	health	plant
ph	odor	vide	keep	consd	discus	exchang	like	strai	ich	extend	en	para	al	paulo	project	anyway	pain	health	plant
well	work	mean	far	anyon	vegetarin	wonder	ll	french	pour	je	de	mo	bangalor	pizza	one	pretti	oil	raw	consum
process	well	import	creat	area	esasi	friend	might	dont	creme	ou	la	est	W T O	get	et	mediterr	etc	includ	suppres
brine	level	creat	area	esasi	friend	might	refer	said	avec	la	est	T A X	soy	mo	ll	mediterr	definit	bread	healthi
case	avall	egg	far	ingredi	organ	recip	recip	plu	le	et	hello	corso	boy	dough	water	flour	bread	also	make
rather	isa	possibl	long	keep	vegan	veg	calciu	ing	o	un	il	questo	di	fat	make	frozen	plain	vinegar	addit
dessert	need	happen	term	bird	vegetari	kid	mani	creme	recett	un	di	questo	di	fat	result	flour	much	butter	littl
rather	need	pleas	lectur	issu	non	nicrov	fat	dan	cuisin	studi	look	take	ye	purpos	shrimp	salt	ad	littl	sugar
qualiti	re	list	pleas	mentio	substi	per	flavor	author	da	research	onlin	lunk	old	left	shell	soda	boil	suppres	enhanc
asian	option	help	slide	fast	breath	search	mainl	japanes	scientist	univers	im	biolog	coconut	water	water	water	salti	bitter	asparag
top	chang	video	back	night	effect	calari	includ	silantro	new	scienc	corrs	school	professor	lot	gram	call	snak	bit	sugar
amaz	problem	help	note	tri	might	molecul	best	indb	furios	forward	practic	togeth	seafood	togeth	togeth	small	corn	fruit	syrup
freez	flash	problem	watch	see	provid	expos	energi	loss	system	favorit	underr	canada	taught	nutrit	best	similar	bit	milk	eaten
durian	file	page	see	play	wine	boodi	food	cheaic	scienc	learn	teach	fun	age	prof	call	india	pork	bottl	
single	down	download	set	contnt	gun	valu	caus	today	involv	glad	educ	new	gastro	friend	king	place	common	chines	sheep
ingred	browser	link	page	page	contain	tere	brain	cheis	centri	man	tean	choup	brain	choup	day	choup	littl	ipis	eaten
site	open	course	see	pic	differ	type	food	baggi	famil	corrs	year	chef	restaur	nic	china	east	tapaca	worm	sauc
vote	account	attempt	list	multipl	gener	also	associ	reaid	comfart	behind	learn	new	south	everyon	countri	south	mexico	mexico	said
li	log	quot	course	creat	item	impact	peopl	consid	re	prepar	wish	also	origin	around	china	east	tea	milkwe	
deck	close	001	flavor	could	chocol	less	eat	peopl	know	start	go	hope	name	everyon	live	meet	guy	ma	de
un	eye	scigat	detail	smoth	rate	chocol	peopl	knew	stuff	still	sinc	year	life	americn	world	china	near	del	en
peke	post	org	quit	person	gumai	evr	trai	haven	next	abl	ago	local	travel	countri	franc	barcelona	desd	la	
conduct	problem	if	thread	forum	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
violatio	if	scigat	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
or	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment	comment	comment	smoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia
32	comment	comment																	

CCG for gastsoci : Week 3

new	scienc	cours	school
curiou	forward	forward	practic
favorit	underr	canada	taught
chemic	scienc	learn	teach
involv	glad	educ	new
creat	chemistri	culinari	excit
happi	famili	cours	year
comfort	behind	learn	new
re	prepar	motiv	wish
know	start	go	hope
stuff	still	sinc	year
haven	next	abl	ago

less	eat	peopl	know
chocol	peopl	know	stuff
gummi	ever	tri	haven
cracker	good	meal	one
bear	piec	mayb	end
satieti	real	doesn	particip
sens	feel	ask	answer
mouth	good	full	question
affect	four	10	get
like	would	test	question
matter	guess	result	sure
abl	surpris	wasn	suppos

meat connect three hour tissu
 cell method slow form make
 break caus receptor requir vide
 well process brine case rather dessert
 rather qualiti asian
 top amz freez durian singapur st site vote de ck pack
 templat 32 or soy al 33 mushrom grow bread leav mix pie onion oliv oliv oliv pepper carrot roast pie fish vegi soy buy prepar marin tender beef cut
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

CCG for gastsci : Week 4

meat oxtail cook better way peopl student enjoy three sound sound celeri espero soy brasil maripan dog day special meat meat
 bear connect three mani group much us much made bite crisp soap pig pig connect
 tissu brais ve nutrit bepic bepic understandteacher other like satisfact match pea gusta personal hotel game bad natur kill away

cell method cook home basic scientif thank thing like fresh lettur da lo tado facebook babi develop eat acid fat
 form slow devic kitchen knowl read inform idea agre satisfi pleasant da el old sp shape situat even anim protein
 make also insteodf man inform ingrow hope much contribut must sharp hace mi es leo plenti sell base humn produc effect

break receptor part mani
 aus requir appli relat
 vide color keep keep

well work mean far
 process well import ve
 brine level creat area

ase avail egg far
 rather in possibl long
 dessert need happen tern

rather need pleas lectur
 qualiti re list pleas
 siman option help slide

top chang video hack night effect colori includ rilantro new scienc sours school professor lot gram call soak bit sugar
 amas problem help note tri might might moloni best imbo curion forward forward practic lot togeth small corn fruit
 freez flash problem watch provid expos energi loss system favorit underr canada taught nutrit best similar bit milk eaten syrup

durian file download see play wine page age prof call india pleas
 singapore browser link page abl contain gun valu caus today involv glad educ new gastronomie friend king place common chines sheep
 site open coursera see pictur differ type food happi famili cours year chef restaur nice chimes tea tapioca worn
 vote account attemp list impact item consid re prepar motiv wish also origin around china east tea milwe said

deck close 00l flavor could choocl less eat peopl know start go hope name everon live meet any ma de
 um eye sciant detail smoth rate choocl peopl know stuff still sine year life american world china amer del en
 post org quiz person candi emai ever tri haven next abl ago local travel countri franc barcelom dead la

conduct
 problemidthread Forum smoth choocl cracker good meal one week time love hi italian cuisin usa lo gracia el
 for id thread wrong specif piec good piec end first late zone glam geram wordpres hez dmpil venozuela que
 32 violationsciant comment comment dark sattieti real doesn particip two week two free paleo state spain saludo dead la

soy quantiti problemid chip re sensat sens feel ask answer got assign deadlin watch com com blog mexico colombia com
 33 part abusefor id nose hate mouth mouth good fall question get grade date glitum wiki book share forum no que
 hual abusefor id intens affect four 10 complet get view 23 org youtub book si por por

gushrom yesterday dish ingredi dish textur like would test question got sure due may articl vw sr sesom cake burger
 grow made flavon potato sweet even metter abil result sure right quot howev order submit talk allergi 03 mcgee kitchen everyday meringa indian rhubarb

leav made pepper chees aroma tast receptor flavour respons would red color give letshattitude amazon cookbook egg bake seed
 mix spice fresh combin salti umami down sensit option think think quot percept banam serousmrefre joy patri batter cake potato
 pie slice cucumb corn dish meati detect tonge astring pair mistak arey strawservitrom hack gram sine roll crust

onion salad tomato spici smell tast bitter tonge certain colour green yellow sour vinegr solut 100 half cup add add
 garlic rice sauc delici delici tasteless bud area cocoa gener yellow brown brown individu archiv teaspoon pressur tablespontop onion
 oliv ad green chile also skin myth area

oliv garden tomato italian trii sometin sometin anyth english orang black leam exampl liquid molecu water boil bowl curri fri
 garlic combin explant let veget beauti coffe away purpl white high plac cover add oil chop
 pepper kale vegget howe growe kind other partiharafraid often fruit appl depend increas point room get 30 oven

carrot bitter v supermast F O H b super earli without els someth prefer alway one hot higher water temperaturdegre minut serv season
 roast melon n o n o span forgett earli least never ve notic banana seem mean foil heat water hold let remov soup
 pie n a vodka o n o taster stuff earlier ve everyth yogurt mango although prevent low faster cool store side cut fri

fish w parti willett australia one want want didn cooki chip seem iron heat beat water medium soft grill chicken
 veggi w 3 random gail diseas later want somon tri nois bread better metal melt vanilla hard sauc cut
 # keep percent willett without heard chose second connect much cold whip plate ginger fish
 buy marsh like health show say post though eat eat appl crispi cant conduct air ice cream perfect use use
 prepar pretti get die research find excel quit found crunchi crunchi toast stone materi capac melt ice salcon rare rare steak
 marin shop go risk man show done tell distract carrot chip almond steel transfer insid mchi honey instead grill

tender stock recommend chef studi professor class thought experi sound sound music put athen bag drink beer milk ginger steak
 heart stew long request group point student experi actual recent chew loud hand bucket son bread marin product juic soda
 cut tough make best follow data instructorperson expect hear ate slurp rust dehyd smaller let kid alcohol curd never

break receptor part mani
 caus requir appli relat
 ph odor vide keep

well work mean far
 process well import ve
 brine level creat area

case avail egg far
 rather isn possibl long
 dessert need happen term

rather need pleas lectur
 qualiti re list pleas
 asian option help slide

de mso bangalor pizza
 la 4 T O gt
 est T A K mso 11

hello corso boy dough
 il questo font make
 di ladi result

look take ye purpos
 onlin luck old left
 im biolog sorri coconut

cours school professor lot
 forward practic lot togeth
 canada taught nutrit best

CCG for gastsoci : Week 5

meat	oxtail	cook	better	way	us	student	enjoy	three	sound	sound	celeri	espero	brasil	marriam	dog	dayo	special	meat	meat	
hour	connect	three	manl	group	peopl	ss	made	like	satisfac	meth	pea	gusta	soy	hotel	game	veggn	crisp	kill	away	
tissu	brais	ve	nutrit	peopl	understand	teacher	other	like	fresh	lattu	da	lo	todo	facebook	habi	develop	eat	acid	fat	
cell	method	cook	home	basic	scientif	thank	thing	like	fresh	lattu	da	lo	todo	facebook	habi	develop	eat	acid	fat	
form	slow	devic	kitchen	knowledg	read	inform	idea	agre	satisfi	pleasnt	soy	el	oie	sp	shape	situat	even	ania	protein	
make	also	instead	manl	inform	improv	hope	much	contribut	must	sharp	hace	mi	es	leo	plenti	sell	base	produc	effect	
break	receptor	part	manl	cultur	interest	realli	help	great	fruit	ecuador	en	para	brasil	brasilian	googl	extract	diet	nutrient	digest	
caus	requir	appli	relat	explai	topic	girl	understand	understand	cocktail	aj	que	al	paulo	project	anyw	gain	health	plant	enzm	
ph	odor	vide	keep	consid	discuss	exchang	present	like	stirac	ich	entend	we	del	ma	older	get	human	healthi	stomach	
well	work	mean	far	anyon	vegetarian	wonder	ll	french	pour	je	de	mo	banqar	pizza	one	oil	raw	consum	wheat	
process	well	import	creat	area	easi	friend	alght	doms	crewe	ou	la	est	la	est	la	est	la	est	la	
brine	level	creat	area	easi	friend	alght	doms	crewe	ou	la	est	la	est	la	est	la	est	la	est	
case	avail	egg	possibl	long	term	bird	organ	veg	calcium	ing	o	un	il	questo	font	make	frozen	plain	vinegar	
rather	isa	keep	happen	long	term	bird	organ	veg	calcium	ing	o	un	il	questo	font	make	frozen	plain	vinegar	
dessert	need	happen	long	term	bird	organ	veg	calcium	ing	o	un	il	questo	font	make	frozen	plain	vinegar	addit	
rather	need	pleas	lectur	issu	non	microwav	fat	dan	cuisin	studi	look	take	re	surpos	shrimp	salt	ad	littl	sugar	
qualiti	re	list	pleas	mentio	substi	per	flavor	rather	du	research	onlin	look	old	left	sheri	soda	bill	suppres	sugar	
asian	option	help	side	breath	search	le	scientist	univers	le	canada	taught	nutrit	best	similar	bit	mil	eatn	bit	sugar	
top	chang	video	back	night	effect	calori	includ	climtro	new	scienc	cours	school	professor	lot	prawn	call	soak	bit	sugar	
amaz	problem	help	note	tri	might	molcul	best	imb	curiou	forward	forward	practic	lot	togeth	seafood	last	small	corn	fruit	
freez	flash	problem	watch	provid	expos	energi	loss	system	favorit	underr	canada	taught	nutrit	best	similar	bit	mil	eatn	syrup	
duriam	file	page	see	play	wine	bodi	food	cheaic	scienc	learn	teach	fun	age	prof	king	place	common	chines	potl	
singapor	download	download	set	contnt	gun	valu	caus	today	involv	glad	educ	new	gastromi	friend	chow	place	common	chines	shep	
at	browser	link	page	contain	brain	creat	chemistr	culinari	excit	man	team	man	team	man	team	chow	place	philippin	caten	
site	open	coursem	attemp	list	picur	differ	gene	also	associ	reaid	comfort	learn	year	chef	restaur	nice	china	tea	tapioca	
vote	log	quot	coursem	creat	item	impact	peopl	consid	re	prepar	motiv	wish	also	origin	around	china	east	tea	tapioca	
duck	close	001	flavor	could	chocol	less	eat	peopl	know	start	go	hope	name	everyon	live	meet	guy	ma	de	
un	ere	sciant	detail	month	rate	chocol	peopl	hms	stuff	still	sine	year	life	american	world	china	near	del	en	
peke	post	org	quit	person	candi	gumal	ever	tri	haven	next	abl	ago	local	travel	countri	franc	barcelon	dead	la	
conduct	problem	thread	forum	anoth	chocol	crackr	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia	el	
violatio	id	wrong	sciant	comment	wrong	specif	beat	piec	marb	end	first	late	zone	glam	swed	widress	hey	dumpl	vegan	
or	violatio	sciant	comment	comment	dark	satiety	real	doesn	particip	two	week	two	free	pelle	state	spain	saludo	dead	la	
soy	quantiti	li	problem	chip	re	sensat	sens	feel	ask	answer	got	assign	deadlin	watch	com	com	blog	mexico	colombia	
al	part	hubb	id	nose	hate	month	mouth	good	fall	question	get	grade	date	gliten	wiki	book	share	ferm	no	
33	hubb	id	absorber	id	tell	intens	affect	four	10	get	complet	view	23	org	youtub	book	si	por	por	
mushrom	yesterday	dish	ingredi	dish	textur	like	would	test	question	got	sure	due	may	articl	vww	sr	swesom	cake	burger	
grow	made	flavor	potato	sweet	even	stater	tant	abl	guess	result	sure	right	order	2013	hial	ca	heretub	ca	dessert	
bread	sandwich	onion	husband	strong	stater	tant	abl	guess	result	sure	right	order	2013	hial	ca	heretub	ca	dessert	indian	
leav	made	pepper	chees	aroma	tant	receptor	flavor	respons	would	red	color	give	lets	shattide	amazon	cookbook	egg	bake	seed	
mix	spice	fresh	combin	salti	umami	doesn	sensit	optio	think	think	quot	percept	banana	serious	ref	pastri	batter	cake	potato	
pie	slice	cucumb	corn	dish	meati	detect	tongu	astring	pair	stirak	grey	strawberri	rovioten	back	gram	joy	aine	roll	crust	
onion	salad	tomato	spici	smell	tant	bitter	tongu	certain	colour	green	yellow	sour	vinegar	solut	100	half	cup	add	add	
garlic	rice	also	delici	delici	skin	synth	area	map	come	thought	blue	green	brown	individu	archiv	teaspoon	presur	tablespontop	bean	
oliv	also	green	delici	delici	skin	synth	area	map	come	thought	blue	green	brown	individu	archiv	teaspoon	presur	tablespontop	onion	
oliv	garden	tomato	italian	tri	somein	somein	coffe	english	orang	black	lemon	examp	liquid	molcul	water	boil	bowl	curri	fri	
garlic	combin	explant	let	veget	etc	beauti	coffe	away	purpl	white	juic	usual	wrap	measur	point	room	get	30	oven	
pepper	kale	veget	home	grown	kind	other	partimbr	afraid	often	fruit	appl	depend	increas	point	room	get	30	oven	chop	
carrot	bitter	super	super	earli	without	els	someh	prefer	always	one	hot	higher	water	temperat	degre	simut	serv	season		
roast	melon	span	forget	earlier	ve	everyth	yogurt	although	prevent	low	fast	cool	store	side	cut	remov	cut	remov	soap	
piec	no	vodka	taster	earlier	ve	everyth	yogurt	although	prevent	low	fast	cool	store	side	cut	remov	cut	remov	soap	
fish	part	willet	australia	one	number	want	someon	tri	nois	bread	better	metal	heat	water	medium	soft	grill	chicken	cut	
vegi	keep	percent	willet	show	without	stop	heard	second	cust	connect	much	cold	whip	plate	ginger	fish	ginger	fish	cut	
soy	marl	like	health	show	any	post	though	eat	eat	appl	crispi	cast	conduct	air	ice	cream	perfect	use	use	
prepar	pretti	get	die	research	find	excel	quit	found	crunchi	crunch	crunch	crunch	crunch	crunch	crunch	crunch	crunch	crunch	crunch	crunch
marin	shop	go	risk	man	show	dne	tell	distract	carrot	chip	almond	steel	transfer	insid	mochi	honey	instead	grill	grill	
teader	stock	recomm	chef	studi	professor	class	thought	experi	sound	sound	music	put	athen	bag	drink	beer	mlk	ginger	steak	
heaf	stew	long	request	group	point	student	vari	actual	record	chew	loud	hand	band	son	band	machin	product	juic	soda	
cut	tough	make	best	follow	data	instrutor	person	expect	hear	ate	slurp	rust	dehyd	smaller	let	kid	alcohol	curd	never	

make
like
tend

sugar
enhanc
asparagu

sugar
fruit
syrup

bottl
sheep
coke

worm
said
milkwe

CCG for gastsci : Week 6

meat	oxtail	cook	better	way	us	student	enjoy	three	sound	sound	celeri	espero	soy	maripano	dog	day	special	meat	meat	
heart	connect	three	mani	group	made	much	much	like	like	satisfact	match	pea	gusta	brasil	hotel	game	avocado	vegetarian	vegetarian	
tissu	brais	ve	nutrit	home	knowl	scientif	think	thing	like	fresh	lettur	da	lo	tudo	facebook	habi	develop	eat	acid	fat
cell	method	slow	devic	infor	knowl	read	inform	idea	agre	satisfi	pleasant	soy	el	old	sp	situat	even	anim	protein	protein
form	also	stow	infor	kitchen	infor	hope	hope	much	contri	must	sharp	hace	mi	leo	plenti	base	base	produc	effect	effect
make																				
break	receptor	part	mani	culur	interest	realli	help	great	fruit	ecuator	en	para	brasil	brasilian	googl	extract	diet	nutrient	digest	digest
casu	require	appli	relat	explai	topic	girl	understand	understand	understand	cocktail	nj	que	al	paulo	project	anyway	pain	health	plant	enzym
ph	odor	vide	keep	consid	discuss	exchang	present	like	straj	ich	entend	entend	entend	entend	entend	entend	entend	entend	entend	entend
well	work	mean	far	anyon	vegetari	wonder	ll	french	pour	je	de	sso	bangalor	pizza	one	oil	raw	consum	what	what
process	well	import	ve	siapl	altorn	friend	right	doit	creme	ou	la	la	la	la	la	la	la	la	la	la
brine	level	creat	area	easi	come	gao	refer	said	avec	la	est	est	est	est	est	est	est	est	est	est
case	avail	egg	far	ingredi	organ	recip	recip	pls	le	et	hello	corso	boy	dough	water	flour	bread	also	mkc	mkc
rather	isn	possibl	long	keep	vegan	veg	calcium	ing	6	un	il	questo	font	make	frozen	plain	vinegar	addit	like	like
dessert	need	happen	tern	bird	vegetari	kid	mani	creme	recett	send	di	di	ladi	result	flour	masli	butter	litti	tend	tend
rather	need	pleas	lectur	issu	son	microw	fat	dan	cuisin	studi	look	take	ye	purpos	shrimp	salt	ad	litti	sugar	sugar
qualiti	re	list	pleas	mentio	substi	per	flavor	authr	da	research	onlin	luck	old	left	shelli	soda	boil	suppres	enhanc	enhanc
asian	option	help	slide	fast	breath	search	manil	japanes	scientist	univers	in	biolog	coconut	coconut	water	water	salt	bit	spasagur	spasagur
top	chang	video	back	might	effect	calori	includ	silantro	new	scienc	consr	school	professor	prof	togeth	gram	call	smak	bit	sugar
amaz	problem	help	note	tri	might	molecul	best	indb	surion	forward	forward	practic	let	togeth	seafood	last	small	corn	fruit	fruit
freez	flash	problem	watch	provid	expos	energ	loss	system	favorit	underr	canada	taught	nutrit	best	similar	bit	milk	eaten	syrup	syrup
durian	file	page	see	play	wine	bodi	food	chemic	scienc	learn	teach	fun	age	prof	call	india	pork	bottl	order	order
singapur	download	download	set	conten	gum	valu	caus	today	involv	glad	educ	new	gastro	friend	king	place	common	chines	sheep	sheep
et	browser	link	page	contain	term	brain	teas	creat	chemistri	collari	cuti	day	day	day	philipin	eat	eat	eat	eat	eat
site	open	course	see	pictr	differ	type	food	happi	famili	educ	new	chef	restaur	nice	chines	tea	tapoca	worm	worm	worm
vote	account	attempt	list	multipl	gener	also	associ	reamid	comfor	behind	learn	new	south	everyon	countri	south	mexico	mexico	said	said
li	log	quot	course	creat	item	impact	people	consid	re	prepar	motiv	wish	also	origin	around	china	east	tea	milkee	milkee
duck	close	001	flavor	could	chocol	less	eat	peopl	know	start	go	hope	name	everyon	live	meet	guy	ma	de	de
un	eye	scigant	detail	smooth	rais	chocol	people	know	stuff	still	sinc	year	life	american	world	china	near	del	en	en
peke	post	org	quiz	person	candi	gumi	ever	tri	haven	next	abl	ago	local	travel	countri	franc	barcelona	desd	la	la
conduct	problem	thead	forum	smooth	chocol	cracker	good	meal	one	week	time	love	bi	gluten	italian	cuisin	usa	lo	gracin	el
32	violati	scigant	comment	comment	dark	satiati	good	pic	mayb	end	first	late	zone	free	free	free	free	free	free	free
or																				
soy	quantiti	li	chip	re	senast	sens	feel	ask	answer	got	assign	deadlin	watch	com	com	blog	mexico	colombia	con	con
33	part	problem	nose	bate	mouth	mouth	good	fall	question	get	grade	date	gluten	wiki	book	share	form	no	que	que
huabl	id	abusetr	-	id	intens	effect	four	10	get	complet	submit	view	23	org	you	book	si	por	por	por
mushrom	vegetar	dish	ingredi	dish	textur	like	would	test	question	got	sure	due	may	articl	vw	sr	swesm	cake	burger	burger
bread	made	flavor	potato	sweet	even	right	mess	result	sure	right	submit	talk	allergi	03	mege	kitchen	everyday	meringa	indian	indian
leav	made	pepper	chees	aroma	tast	receptor	flavor	respons	would	red	color	give	lets	attitude	amazon	cookbook	egg	bake	seed	seed
mix	spice	fresh	combin	salt	umami	doesn	essnt	option	think	think	quot	percent	banan	serious	stref	pastri	batter	cake	potato	potato
pie	slice	curumb	corn	dish	meati	detect	grey	string	pair	mistak	grey	strap	errort	back	gram	joy	aise	roll	creat	creat
onion	salad	tomato	spiri	smell	tast	bitter	segs	certain	colour	green	yellow	sour	vinegr	solut	100	half	cup	add	bean	add
garlic	size	sau	delici	delici	bud	green	green	seet	concentr	reduc	all	cup	put	top	measur	high	place	cover	add	add
oliv	ad	green	chile	also	skin	myth	segs	certain	colour	green	yellow	sour	vinegr	solut	100	half	cup	add	bean	add
oliv	garden	tomato	italian	trium	soneti	soneti	myth	english	orang	black	segs	usual	liquid	molecul	water	boil	bowl	curri	fri	fri
garlic	combin	eggplant	let	veget	etc	beauti	soffe	away	purpl	white	soffe	usual	liquid	molecul	water	boil	bowl	curri	fri	fri
pepper	kile	veget	how	grow	kind	other	vegetari	afraid	often	fruit	soffe	usual	liquid	molecul	water	boil	bowl	curri	fri	fri
carrot	bitter	spertant	super	earli	without	els	some	prefer	alway	one	hot	higher	water	temperatur	degre	minut	serv	season	season	season
roast	melon	span	forget	stuff	earlier	le	some	never	ve	notic	banana	sees	mean	foill	best	water	hold	remov	soap	soap
pie	wa	no	taster	stuff	earlier	le	some	never	ve	notic	banana	sees	mean	foill	best	water	hold	remov	soap	soap
fish	random	part	willet	australia	one	want	want	someon	tri	nois	bread	seem	iron	heat	water	medium	soft	grill	chicken	chicken
vegi	keep	percent	willet	show	without	stip	heard	popcorn	chase	second	cust	convect	much	cold	whip	plate	ginger	fish	fish	fish
soy	marl	like	health	show	say	post	though	eat	eat	appl	crispi	stant	condut	air	ice	cream	perfect	use	use	use
prepar	pretti	get	die	research	find	excel	quit	found	crunchi	crunch	materi	capac	melt	ice	salan	rare	steak	steak	steak	steak
marin	shop	go	risk	man	show	dell	distract	carrot	chip	almoad	steel	transfer	insid	man	honey	instead	grill	grill	grill	grill
tender	stock	recomend	chef	studi	request	group	professor	class	thought	experi	sound	sound	music	put	athen	bag	drink	beer	milk	ginger
stea	long	stea	make	best	follow	data	instructor	person	expect	hear	ate	slurp	rust	smaller	le	kid	alcohol	curd	sofa	sofa
cut	tough	make	best	follow	data	instructor	person	expect	hear	ate	slurp	rust	smaller	le	kid	alcohol	curd	sofa	sofa	sofa

feel	ask	answer	got
good	full	question	get
four	10	get	complet
would	test	question	got
guess	result	sure	right
surpris	wasn	suppos	order
flavour	respons	would	red
sensit	option	think	think
tongu	astring	pair	mistak
tongu	certain	colour	green
map	come	thought	blue
area	cocoa	gener	yellow
anyth	english	orang	black
coffe	away	purpl	white
particula	afraid	often	fruit
r			

CCG for gastsci : Week 7

meat	ostail	cook	better	way	us	student	enjoy	three	sound	sound	celeri	espero	soy	maripon	dog	dayo	special	meat	meat
hour	connect	three	manl	make	people	sis	much	made	like	like	brasil	osil	brasil	veggn	avocado	pig	veggn	vegetarism	fiber
tissu	brais	ve	nutrit	manl	people	understand	other	idea	like	like	lettur	pea	gusta	personl	hotel	game	natur	kill	away
all	method	cook	home	basic	scientif	think	thing	like	fresh	lettur	de	lo	todo	facebook	habi	develop	eat	acid	fat
form	flow	devic	kitchen	knowledg	read	inform	idea	agree	satisfi	pleasnt	soy	el	olé	sp	shape	situat	even	ania	protein
make	also	insteadi	mani	inform	enjoy	hope	much	contribut	sharp	hace	mi	mi	pienti	leo	sell	base	produc	effect	
break	receptor	part	mani	recept	enteret	realli	help	great	fruit	ecudor	en	para	brasil	brasilian	googl	extract	diet	nutrient	digest
hour	requir	appli	relat	expln	applic	girl	understand	understand	cocktail	aj	que	al	paulo	project	anyway	plan	health	plant	enzm
30	vide	keep	keep	knowl	discuss	exchang	present	like	stiral	ich	extend	em	em	older	get	hump	healthi	stomach	
well	work	mean	far	anyon	vegetarism	wonder	ll	french	pour	je	de	seo	banglor	pizza	one	oil	raw	consum	wheat
process	well	import	ve	impl	light	friend	right	dont	creas	ou	la	W T O	pretti	etc	etc	includ	bread	healthi	vitamin
brine	level	creat	area	masi	some	go	refer	said	avec	la	est	T A K	so	il	mediterr	definit	buttr	litti	tend
use	avail	egg	far	ingredi	bran	recip	recip	plu	le	et	hello	corso	boy	dough	water	flour	bread	also	make
rather	isa	possibl	long	keep	egan	veg	calcium	ing	ó	un	il	questo	font	make	frozen	plain	vinegar	addit	like
dessert	need	happen	term	kind	vegetarism	kid	manl	creme	reccet	send	di	ladi	result	flour	mushl	water	salti	bittr	apapun
rather	need	pleas	lectur	isnt	non	microwav	dan	cuisin	studi	look	take	ye	purpos	shrimp	salt	ad	litti	sugar	enhan
qualiti	re	list	list	ment	substitut	per	author	du	research	onlin	look	old	left	shell	soda	boil	suppres	rbanc	que
asian	option	help	help	fast	health	search	health	Japanes	scientist	univers	in	biolog	sofri	docum	water	salti	bittr	apapun	
top	chang	video	back	night	effect	calori	includ	elentro	new	scienc	cours	school	professor	lot	prawn	call	soak	bit	suger
amaz	problem	help	note	tri	might	molecul	best	ladb	curios	forward	forward	practic	lot	togeth	seafood	last	small	corn	fruit
freez	flash	problem	watch	provid	expos	less	food	system	favorit	underr	canada	taught	nutrit	best	similar	bit	eaten	syru	
duriam	file	page	see	play	wine	bodi	food	cheaic	scienc	learn	teach	fun	age	prof	call	india	pork	bottl	
singapor	download	download	set	contnt	gun	valu	caus	today	involv	glad	educ	new	gastro	friend	king	place	common	chines	sheep
st	browser	link	page	contain	all	brain	creat	cheat	chemistr	colliant	cecut	new	team	sonp	chow	day	philippin	ewen	coke
site	open	course	see	pictr	differ	type	food	coars	year	cheif	restrnt	nice	chines	tea	tapioqa	worm	saids	said	
vote	log	account	attemp	list	multipl	gener	also	associ	peopl	reamid	confert	behind	learn	wish	also	origin	arund	china	east
deck	close	001	flavor	could	chocol	rand	less	eat	peopl	know	start	go	hope	name	everypn	live	meet	guy	ma
un	eye	scinagt	detail	moth	rate	chocol	people	hous	stuff	still	sinc	year	life	american	world	china	snar	del	en
peke	post	org	quit	person	candi	canl	ever	tri	haven	next	abl	ago	local	travel	countri	franc	barcelona	desd	la
conduct	problem	if	thread	wrong	specif	hear	feel	mayb	end	first	late	zone	glam	italian	cuisin	usa	lo	gracia	el
templ	for	id	violatio	scinagt	comment	comment	dark	specif	dark	satiati	real	doesn	particip	two	week	two	free	paleo	state
32	or																		
soy	quantiti	li	problem	chip	re	seniat	sems	feel	ask	answer	got	assign	deadlin	watch	com	com	blog	mexico	colombia
al	part	absorfor	id	nose	bate	mouth	smooth	good	fall	question	get	grade	date	glam	wiki	book	share	form	no
33	id																		
shroom	yesterday	dish	ingredi	dish	textur	like	would	test	question	got	sure	due	may	articl	vw	sr	sesom	cake	burger
grow	made	flavor	potato	seet	even	matter	sure	result	sure	right	order	2013	hovev	2013	hatal	ca	herhept	ca	dessert
bread	sandwich	onion	husband	strong	tast	abl	surpris	wasn	suppos	order	submit	talk	alergi	U3	meqre	kitchen	everyday	mering	rubarb
leav	made	pepper	aroma	strong	tast	recept	flavor	color	give	lets	henthitide	amazon	serous	ref	cookbook	egg	bake	seed	potato
mix	spice	fresh	combin	salti	umami	doesn	sensit	option	think	think	quot	percept	banam	serous	ref	patri	buttr	cake	potato
pie	slice	cucumb	corn	dish	meati	detect	tongu	string	pair	wisak	arv	stir	strew	rotten	back	gram	joy	aise	crut
onion	salad	garlic	rice	green	spici	smell	tast	bitter	tongu	certain	color	green	yellow	sour	vinegar	solut	100	half	cup
oliv	olive	also	delici	delici	skin	synh	area	area	cocea	thought	blue	green	brown	brown	individu	archiv	teaspoon	tablespontop	onion
oliv	garden	tomato	italian	tri	someita	someita	anyth	english	orang	black	leason	exampl	lipid	molecul	water	boil	bowl	curri	fri
garlic	combin	eggplant	let	veget	beauti	coffe	avay	purpl	white	juic	usual	wrap	measur	high	place	cover	oven	oil	chop
pepper	kale	veget	home	grow	kind	other	partimbr	frnid	other	fruit	appl	depend	increns	point	roum	get	30	oven	season
carrot	bitter	super	spic	super	earli	without	prefer	alway	one	hot	higher	water	temperatur	degre	simut	serv	serv	season	
roast	melon	no	spasm	forget	earli	never	ve	notic	banana	seem	mean	foill	best	water	hold	let	remov	soop	
piec	no	vodka	no	taster	earli	ve	everth	yoqurt	although	prevent					store	side	cut	fri	
fish	u	parti	willet	australia	one	want	didn	cooki	chip	seem	iron	beat	beat	water	medium	soft	grill	chicken	
vegi	u	randam	gall	diseas	later	want	someon	tri	nois	bread	better	metal	oven	water	melt	vanilla	hard	sauc	cut
soy	u	keep	percent	willet	show	willett	popcorn	strop	heard	chase	second	connect	much	cold	whip	plate	ginger	fish	
buy	marl	like	health	show	say	post	though	eat	eat	appl	crispi	cast	conduct	air	ice	cream	perfect	one	use
prepar	pretti	get	die	research	find	excel	quit	found	crunchi	crunch	stone	materi	capac	melt	ice	salon	rare	steak	steak
marin	shop	go	risk	man	show	dese	tell	distract	carrot	chip	almost	steel	transfer	transfer	issid	mochi	honey	instead	grill
tender	stok	recomm	chef	studi	professor	class	thought	experi	sound	sound	music	put	athen	bag	drink	beer	milk	ginger	steak
leaf	stew	long	request	group	point	student	vari	actual	record	chew	load	hand	bucket	son	band	mechin	product	juic	soda
cut	tough	make	best	follow	data	instructor	person	expect	hear	ate	slarp	rust	dehydr	smaller	let	kid	alcohol	curd	never

cell	method	cook	home	basic
form	slow	devic	kitchen	knowledg
make	also	insteadi	mani	inform
break	receptor	part	mani	cultur
caus	requir	appli	relat	explain
ph	odor	vide	keep	consid
well	work	mean	far	anyon
process	well	import	ve	simpl
brine	level	creat	area	easi
case	avail	egg	far	ingredi
rather	isn	possibl	long	keep
dessert	need	happen	term	bird

CCG for gastscli : Week 9

meat	oxtail	cook	better	way	us	student	enjoy	three	sound	sound	celeri	espero	soy	maripon	dog	avaya	special	meat	meat
hour	connect	three	manl	group	peopl	me	much	made	bite	group	made	brasil	brasil	white	develop	week	vegetarian	kill	away
tissu	brais	ve	nutrit	peopl	understand	teacher	thing	like	satisfact	match	pea	personall	hotel	game	bad	natur	acid	protein	effect
cell	method	cook	home	basic	scientif	thank	thing	like	fresh	lettur	da	lo	todo	facebook	habi	develop	eat	fat	
form	slow	devic	kitchen	knowledg	read	inform	idea	agre	satisfi	pleasant	soy	el	old	shape	situat	even	anim		
make	also	insteadf	manl	inform	hope			contribut	must	sharp	hace	mi	es	plenti	sell	base	produc		
break	requir	part	manl	culpr	interest	realli	help	great	fruit	ecudar	en	para	brasil	googl	extract	diet	nutrient	digest	
caus	appli	reilat	manl	topic	girl	understand	understand	understand	cocktail	aj	que	al	del	project	anyway	pain	health	plant	enzym
ph	vide	vide	keep	consid	discuss	exchang	present	like	stirral	ich	extend	em	paulo	em	elder	get	humu	healthi	stomach
well	work	mean	far	anyon	vegetarian	wonder	ll	french	pour	je	de	mo	bangalor	pizza	one	oil	raw	consum	wheat
process	well	import	creat	area	esasi	friend	might	don't	creme	ou	la	W T O	get	st	pretti	etc	includ	raw	starch
brine	level	creat	area	esasi	come	refer	refer	said	avec	la	est	T A X	mso	ll	mediterr	definit	bread	healthi	vitamin
case	avail	egg	far	ingredi	organ	recip	recip	plu	le	et	hello	corso	boy	dough	water	flour	bread	also	make
rather	isn	possibl	long	keep	vegan	veg	calcium	ing	o	un	il	questo	font	make	frozen	plain	vinegar	addit	like
dessert	need	happen	tere	bird	vegetarian	kid	mani	creme	recett	send	di	di	ladi	result	flour	mash	butter	littl	tend
rather	need	pleas	lectur	issu	non	microsw	fat	dan	cuisin	studi	look	take	ye	purpos	shrimp	salt	ad	littl	sugar
qualiti	re	list	pleas	mentio	substi	per	flavor	author	da	research	look	old	left	shell	soda	boil	suppres	enhanc	
asian	option	help	slide	breath	search	mainl	japanes	scientist	univers	im	biolog	sorri	coconut	water	water	salti	bitter	asparagu	
top	chang	video	back	night	effect	calari	includ	silantro	new	scienc	consr	school	professor	lot	gram	call	snak	bit	sugar
amaz	problem	help	note	tri	might	moelul	best	indb	curiou	forward	practic	lot	togeth	seafood	last	small	corn	fruit	
freez	flash	problem	watch	expos	energ	loss	system	favorit	underr		canada	taught	nutrit	best	similar	bit	milk	eaten	
durian	file	page	see	play	wine	boodi	food	cheaic	scienc	learn	teach	fun	age	prof	call	india	pork	bottl	
singapor	download	set	cont	gum	valu	caus	today	involv	glad	educ	new	gastro	friend	king	place	common	chines	sheep	
st	browser	link	page	page	manl	area	creat	chemistri	collari	cast	manl	manl	manl	manl	manl	manl	manl	manl	manl
site	open	course	see	picture	differ	type	food	happi	famill	years	year	chef	restaur	nice	chines	tea	taplica	werp	
vote	account	attempt	list	multipl	gener	also	associ	re	re	re	behind	learn	new	month	origin	around	china	east	tea
li	log	quot	course	creat	it	smart	peopl	consid	re	prepar		wish	wish	wish	wish	wish	wish	wish	wish
duck	close	00l	flavor	could	shooc	less	eat	peopl	know	start	go	hope	name	evernon	live	seet	guy	ma	de
un	eye	scinat	detail	month	ratio	shooc	peopl	know	stuff	still	sinc	year	life	american	world	china	snar	del	en
peke	post	org	quit	person	mandi	umai	ever	tri	havent	next	abl	ago	local	travel	countri	franc	barcelona	desd	la
	conduct	problem	if	thread	forum	amoth	shooc	cracker	good	meal	me	week	time	love	hi	italian	cuisin	usa	lo
templat	fer	id	violatio	sciat	or	comment	comment	shark	patieti	real	doesn	particip	two	week	two	free	paleo	state	salud
32																			
soy	quantiti	part	problem	li	chip	senat	sems	feel	ask	answer	ot	assign	deadlin	watch	com	com	blog	mxico	colombia
al	33	humb	id	absorfor	hate	te	month	good	fall	question	get	grade	date	gitem	wiki	book	share	form	no
id																			
mushrom	yesterday	dish	ingredi	dish	extru	like	would	test	questio	gt	sure	due	may	articl	vw	sr	swesm	cake	burger
grow	made	potato	potato	seet	extru	even	natter	guess	result	sure	fight	quot	hovev	2013	hhal	co	berhept	ca	dessert
bread	sandwich	onion	husband	strong	eat	sh	surpris	wan	suppos	order	order	submit	talk	alergi	03	mege	kitchen	everyday	meriga
leav	made	pepper	chees	aroma	tast	receptor	flavor	respons	would	red	color	give	lets	hettitude	amazon	cookbook	egg	bake	seed
mix	spice	fresh	combin	salti	umami	doesn	sensit	option	think	think	quot	percept	banam	serous	ref	patri	batter	cake	potato
pie	slice	cucumb	corn	dish	meati	detect	tongu	astring	pair	wink	arv	strawber	rotten	back	gram	joy	aise	roll	crut
onion	salad	garcie	rice	also	green	olive	chile	also	green	olive	chile	also	green	olive	chile	also	green	olive	chile
oliv	garden	tomato	italian	tri	someita	someita	coffe	enigh	orang	black	leason	exampl	liquid	molecul	water	boil	bowl	curri	fri
garcie	combin	egplant	let	veget	etc	beauti	coffe	away	purpl	white	juic	usual	wrap	measur	high	place	cover	oil	oil
pepper	kale	veget	home	grow	kind	other	partim	brafrnid	often	fruit	appl	depend	increas	point	roum	get	30	oven	chop
carrot	bitter	spertast	super	super	earli	without	early	someh	prefer	alway	one	hot	higher	water	temperatur	degre	simut	serv	season
roast	melon	spas	forget	stuff	earlier	ve	never	ve	notic	banana	manag	seem	mean	foill	best	water	hold	let	remov
piec	no	vodka	taster	earlier	ve	everth	yougt	ve	everth	yougt	althrough	prevent	prevent	prevent	prevent	prevent	prevent	prevent	prevent
fish	part	willet	ausralia	one	number	want	didn	cooki	chip	seem	iron	beat	beat	water	medium	soft	grill	chicken	
vegi	random	gall	diseas	later	want	someon	tri	nois	bread	better	metal	oven	water	melt	vanilla	hard	sauc	cut	
soy	keep	percent	willet	show	without	stio	heard	popcorn	chase	second	cut	connect	much	cold	whip	plate	ginger	fish	
buy	marl	like	health	show	say	post	though	eat	eat	appl	crispi	cast	conduct	air	ice	cream	perfect	use	use
prepar	pretti	get	die	research	find	excel	quit	found	crunchi	crunch	toast	stone	materi	capac	melt	ice	salon	rare	steak
marin	shop	go	risk	man	show	doe	tell	distract	carrot	chip	almost	steel	transfer	insid	mochi	honey	instead	grill	
teader	stock	recomend	chef	studi	professor	class	thought	experi	sound	sound	music	put	athen	bag	drink	beer	milk	ginger	steak
leaf	stew	lase	request	group	point	student	vari	actual	record	chese	load	hand	basket	soo	band	machin	product	juic	soda
cut	tough	make	best	follow	data	instructor	person	expect	hear	ate	slurp	rust	dehyd	smaller	let	kid	alcohol	curd	never

chocol	less	eat	peopl	know
rate	chocol	peopl	know	stuff
candi	gummi	ever	tri	haven
chocol	cracker	good	meal	one
specif	bear	piec	mayb	end
dark	satieti	real	doesn	particip
sensat	sens	feel	ask	answer
mouth	mouth	full	question	get
intens	affect	four	10	
textur	like	would	test	question
even	matter	guess	result	sure
tast	abl	surpris	wasn	suppos

CCG for gastsoci : Week 10

well	work	mean	far
process	well	import	ve
brine	level	creat	area
case	avail	egg	far
rather	isn	possibl	long
dessert	need	happen	term
rather	need	pleas	lectur
qualiti	re	list	pleas
asian	option	help	slide
top	chang	video	back
amaz	problem	help	note
freez	flash	problem	watch

meat	oxtail	cook	better	way	us	student	enjoy	three	sound	sound	celeri	espero	brasil	soy	marriam	dog	avado	special	meat	meat	
hour	connect	three	manl	much	peopl	is	made	like	satisfact	match	like	like	like	like	like	like	like	like	like	like	
tissu	brais	ve	nutrit	peopl	understand	teacher	other	like	like	like	like	like	like	like	like	like	like	like	like	like	
cell	method	slow	devic	home	basic	scientif	think	thing	like	fresh	lettuc	da	do	do	do	do	do	do	do	do	
make	also	inform	instendi	manl	inform	inform	hope	much	contribut	must	sharp	hace	hace	hace	hace	hace	hace	hace	hace	hace	
break	receptor	requir	part	manl	cultur	interest	realli	help	great	fruit	ecudador	en	para	brasil	brasilian	googl	extract	diet	nutrient	digest	
caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus	caus
ph	odor	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide	vide
well	work	mean	far	brion	vegetarian	wonder	ll	french	pour	je	de	meo	bangalor	pizza	one	oil	raw	consum	wheat	starch	
process	well	import	creat	area	asi	friend	right	door	creas	ou	la	est	est	est	est	est	est	est	est	est	
brine	level	creat	area	asi	friend	right	refer	said	avec	la	est	est	est	est	est	est	est	est	est	est	
esse	avail	egg	far	ingredi	organ	recip	plu	le	et	hello	corso	bor	dough	water	flour	bread	also	make	like	tend	
rather	isa	possibl	long	term	vegan	veg	calcium	ing	o	un	il	questo	font	make	frozen	plain	vinegar	addit	like	tend	
dessert	need	happen	term	si	vegetarian	kid	manl	creas	recett	send	di	di	di	di	di	di	di	di	di	di	
rather	need	pleas	lectur	essu	non	microwav	fat	dan	cuisin	studi	look	take	re	purpos	shrimp	salt	ad	littl	sugar	subur	
qualiti	re	list	pleas	ment	substitut	per	flavor	rathor	du	research	onlin	look	old	left	sheri	soa	boil	suppres	bitter	sapangan	
asian	option	help	slide	ment	flavor	mail	Japanese	scientist	univers	de	de	de	de	de	de	de	de	de	de	de	
top	chang	problem	help	note	right	effect	calori	includ	climtro	new	scienc	cours	school	professor	lot	prawn	call	soak	bit	sugar	
amaz	flash	problem	watch	watch	right	effect	calori	includ	climtro	new	scienc	cours	school	professor	lot	prawn	call	soak	bit	sugar	
freez	flash	problem	watch	watch	right	effect	calori	includ	climtro	new	scienc	cours	school	professor	lot	prawn	call	soak	bit	sugar	
durian	file	page	see	play	wine	bedi	food	cheaic	scienc	learn	teach	fun	age	prof	call	india	pork	bettl	sheep	shake	
singapor	download	download	at	content	gun	valu	caus	today	involv	glad	educ	caus	new	gastronomi	friend	king	place	common	chines	shake	
li	browser	link	page	all	contain	term	brain	soup	creat	cheatstri	coliar	excit	man	team	chow	chew	place	common	chines	shake	
site	open	course	attemp	list	differe	gener	also	associ	readin	learn	new	month	everyon	countri	south	mexico	metion	said	likew	likew	
note	log	quot	quest	creat	item	impact	peopl	prepar	motiv	wish	also	origin	around	china	east	tea	tea	tea	tea	tea	
deck	close	001	flavor	could	chocol	less	eat	peopl	know	start	go	hope	name	everyon	live	meet	guy	ma	de	de	
un	ere	sciant	detail	amth	rate	chocol	peopl	hms	stuff	still	sine	year	life	american	world	china	near	del	en	en	
post	org	quit	person	candi	gumal	ever	tri	haven	next	abl	ago	local	travel	countri	franc	barcelon	dead	la	la	la	
conduct	problem	id	thread	forum	amoth	chocol	cracker	good	meal	one	week	time	love	hi	italian	cuisin	usa	lo	gracia	el	
violatio	id	wrong	sciant	comment	wrong	specif	heart	feel	marb	end	first	late	zone	glam	westress	hey	dumpl	vein	men	que	
or	or	or	or	or	or	or	or	or	or	or	or	or	or	or	or	or	or	or	or	or	
soy	quantiti	li	problem	chip	re	sensat	sens	feel	ask	answer	got	assign	deadlin	watch	com	com	blog	mexico	colombia	com	
al	part	nose	hate	hate	mouth	mouth	good	fall	question	get	grade	date	gliten	wiki	book	share	ferm	no	que	por	
33	humb	id	tell	intens	affect	four	10	get	complet	complet	complet	complet	complet	complet	complet	complet	complet	complet	complet	complet	
mushrom	yesterday	dish	potato	sweet	onion	ingredi	dish	textur	like	would	test	question	got	sure	due	may	articl	vw	sr	swesm	
grow	made	flavor	potato	sweet	onion	ingredi	dish	textur	like	would	test	question	got	sure	due	may	articl	vw	sr	swesm	
bread	sandwich	onion	husband	strong	tant	receptor	flavor	respons	would	red	color	give	lets	amazon	cookbook	egg	bake	cake	potato	crust	
leaf	made	pepper	chees	aroma	combin	salt	umami	decan	sensit	option	think	think	quot	percept	banana	serious	ref	patri	batter	cake	
mix	spice	fresh	combin	salt	umami	decan	sensit	option	think	think	quot	percept	banana	serious	ref	patri	batter	cake	potato	crust	
pie	slice	crumb	corn	dish	meati	detect	tongu	astring	pair	stirak	stirak	stirak	stirak	stirak	stirak	stirak	stirak	stirak	stirak	stirak	
onion	salad	tomato	spici	smell	tant	bitter	tongu	certain	colour	green	yellow	sour	vinegar	solut	100	half	cup	add	add	add	
garlic	rice	sanc	delidi	delici	skin	synth	area	cocoa	gener	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow	
oliv	also	also	also	also	also	also	also	also	also	also	also	also	also	also	also	also	also	also	also	also	
oliv	garden	tomato	italian	tri	sometia	sometia	nyth	english	orang	black	lemon	examl	liquid	molecul	water	boil	bowl	curri	fri	fri	
garlic	combin	egplant	let	veget	beauti	coffe	away	purpl	white	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
pepper	kale	veget	home	grow	kind	other	partimbr	fraind	often	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	fruit	
carrot	bitter	super	super	super	earli	without	earl	someth	prefer	alway	one	hot	higher	water	temperat	degre	30	serv	serv	serv	
roast	melon	no	span	forget	earli	never	ve	notic	banana	seca	mean	foill	heat	water	hold	lid	remov	soop	soop	soop	
pie	no	vodka	taster	stuff	earli	ve	everyth	yoqurt	alough	prevent	low	faster	cool	store	side	cut	cut	cut	cut	cut	
fish	part	willet	australia	one	number	want	didn	cooki	chip	seem	iron	heat	heat	water	medium	soft	grill	chicken	chicken	chicken	
vegi	random	gall	diseas	later	want	someon	tri	nois	bread	better	metal	oven	water	melt	vanilla	hard	sauce	cut	cut	cut	
keep	percent	willet	show	without	stop	connect	popcorn	chuse	second	cast	connect	cast	connect	cast	connect	cast	connect	cast	connect	connect	
buy	marbl	like	health	show	any	post	though	eat	eat	appl	crispi	cast	conduct	air	ice	cream	perfect	use	use	use	
prepar	pretti	get	die	research	find	expol	quit	found	crunchi	crunch	crunch	crunch	crunch	crunch	crunch	crunch	crunch	crunch	crunch	crunch	
marin	shop	go	risk	man	show	show	tell	distract	carrot	chip	almond	steel	transfer	transfer	insid	mochi	honey	instend	grill	grill	
teacher	stock	recomend	chef	studi	professor	class	thought	experi	sound	sound	music	put	athen	bag	drink	beer	meik	ginger	steak	steak	
heart	stew	long	request	request	point	student	vari	actual	record	chew	loud	hand	band	son	band	mechin	product	juic	soda	soda	
cut	tough	make	best	follow	data	instruc	person	expect	hear	ate	slurp	rust	dehydr	smaller	let	kid	alcohol	curd	never	never	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	

sugar
enhanc
asparagu
sugar
fruit
syrup
bottl
sheep
coke
worm
said
milkwe

CCG for gastsci : all

meat hour tissue	oxtail connect brais	cook three ve	better mani nutrit	way group peopl	us peopl understand	student much teacher	enjoy much other	three bisc like	sound bite satisfact	sound crisp match	celeri snap pea	espero per gusta	soy braisil pessoal	marzipan ol hotel	dog pig game	day avocado bad	special vegan natur	meat vegetarian kill	meat fiber away		
cell form make	method flow make	cook devic insteadi	home kitchen mani	basic knowlde inform	scientif read approv	thank inform hope	thing idea much	like agre contrib	fresh satisfi must	lettuc pleas inform	da eye hace	lo el mi	todo ole es	facebook shape leo	babi shape plenti	develop situa sell	eat ovra base	acid manie produc	fat proteic effect		
break gus ph	receptor requir ph	part apoli vide	mani relat keep	cultur explai consid	interest topic discuss	realli girl exchang	help understand present	great understand like	fruit cocktail mirac	ecuard al ich	en que extend	para al del	braisil pavlo em	brasilian project mole	googl suave older	extract health get	diet health human	nutrient plant healthi	digest stomac		
well process brine	work well level	mean import creat	far ve area	anyon blanch easi	vegetarian friend ose	wonder friend gmo	ll ight refer	french doub said	pour creme avec	Je on la	de la est	mso W T O T & K	banglor at mso	pizza gt ll	one pretti mediterranean	oil etc definit	raw includ bread	consum raw healthi	wheat starch vitamin		
case gather dessert	avail an trend	egg possibl happen	far long term	ingredi keep bird	rgan vegan vegetarian	recip veg kid	recip calcium man	plu ing creme	le o recett	et un send	hello il di	corso questo di	boy foot ladi	dough make recsit	water from flour	flour plain butter	bread vinegar butter	also addit littl	make like fond		
rather qualiti asian	need re option	pleas list help	lectur slide	issu question fast	non substitut breath	aircove per search	fat flavor manili	dan author japanese	cuisin du scientist	studi research univers	book luck biolog	take luck biolog	re old sorri	purpos left coocmt	chirap shell water	salt soda water	ad boil salti	littl suppress bitter	sugar shnanc asparagus		
top amaz freez	chang problem flash	video help problem	hack note watch	might fri provid	effect might expos	calori molecul energi	includ best loss	cilantro dish system	new curion favorit	scienc forward under	ours forward canada	school practic taught	professor got nutrit	lat togeth best	gran seafood similar	call last bit	snak small milk	bit corn eaten	sugar fruit syrup		
durian singapor gt	file download browser	page download link	see set page	play content abl	wine gum contain	bodi valu term	food caus brain	food today soap	cheic involv creat	scienc glad chemistri	learn educ cuisinari	teach new excit	fun gastronomi ama	age friend team	prof king chow	call place day	india common philippin	pork chines eaten	hottl sheep coke		
site update li	open attempt log	course list concern	see concern	pictur share concern	differ concern item	type also impact	food learn peopl	food learn conid	happi comfort creat	famili evolve prepar	coors activ wish	year month year	chef month also	restaur origin	nice sinc around	chines sinc china	tea sinc tea	tapioca americ tea	wora cheese milke		
duck un peke	close eye post	001 seigast org	flavor detail quiz	could anoth person	chocol rate candi	less chocol sumi	eat peopl ever	peopl know tri	know stuff havent	start still eat	could sinc abi	hope year ago	name life local	everron american travel	live world countri	meet china franc	sur near barcelona	na del deed	de en la		
templat yo 32	conduct id violationfor	thread wrong comment	forum thread comment	anoth specif comment	chocol specif dark	cracker frie satieli	good sinc real	meal sinc doesn	one particip	week late two	love zone week	bl gluten free	italian german paleo	cuisin wordress state	usa her spain	lo dumpl saludo	gracia vencula deed	el que la			
soy al 33	quantiti part humil	problemhull id	chip nose ve	re hate bell	sensat mouth intens	sens full effect	feel good four	ask full lo	answer question set	got complet	assign grade subsit	deadlin date vie	watch gluten di	com wiki org	com book youtub	blog share book	metico ferrom si	colombia no por	com que por		
mushroom grow bread	yesterday made sandwich	dish flavor onion	ingredi potato husband	fish strong	textur tast	like matter oil	would guess surpris	test result wan	question sure suppos	got fight back	sure quot subsit	due hovey talk	may 2011 allergic	articl html 03	www co agece	sr herethip kitchen	amazon ref gram	cookbook patri joy	egg batter sine	bake cake roll	burger indian chubarb
leav mix onion	made spice slic	pepper fresh cucumb	chees combin corn	aroma salti fish	tast umami sewli	receptor detect	Flavour sensit tongu	respons option astriang	would think pair	red think mistak	color spot ary	give percept strawberi	letsbeatit banana rotten	inde seriousent back	amazon ref gram	cookbook patri joy	egg batter sine	bake cake roll	seed potato crust		
onion garlic stiv ad	salad rice ad	tomato delicic chile	spici delicic chile	smell delicic also	tast tasteless skin	bitter bud strik	tongu blue area	certain cose econn	colour thought green yellow	green blue yellow	yellow green brown	sour swe brown	vinegar concentr liquida	solut reduc arabic	100 al trespoon	half cup prepar	cup put tablespoon	add bro top	add pean onion		
oliv garlic pepper	garden combin kale	tomato explant veget	italian let home	tri veget grown	sometim etc kind	sometim beauti other	synth coffe particular	english combin away	brang purpl often	black white fruit	lemon juic app	exampl usual depend	liquid wrap increas	molecul measur point	water high room	boil place get	howl cover 30	curri add oven	fri oil chop		
carrot roast piec	bitter melon MA	superstast VO N B K O NO	super spam taster	carli forget stuff	without least earlier	els never ve	someth ve everyth	prefer notic sugart	alway banana mango	one seem although	hot mean prevent	higher foill low	water heat faster	temperatur water cool	degre hold store	simut let side	serv remov cut	season soup fri			
fish veg soy	W A K	parti random keep	willet dione percent	australia later willet	one later show	number want without	want soonen stop	didn't tri heard	cooki bois poporn	chip bread chose	seem better second	iron metal cast	heat water convect	heat water much	water vailla cold	medium hard whip	soft sanc plate	grill cut ginger	chicken sanc fish		
buy prepar marin	marbl pretti shop	like get go	health die risk	show research show	say find show	post excel tell	though quit tell	eat found distract	eat crunchi carrot	appl crunch chip	crispi better second	cast stone steel	conduct materi transfer	air capac transfer	ice melt insid	cream ice mochi	perfect salmon honey	use rare instead	use steak grill		
tender beef cut	stack stev tough	recommnd make best	chef request best	studi group follow	professur point data	class student instructor	thought experi person	experi actual expect	sound record hear	sound chew ate	music loud slurp	put hand rust	alton bucket dehydr	bag sou smaller	drink juic let	beer machin kid	silk product alcohol	ginger juic curd	steak soda sever		

- **Forum Data**
- **Clustering Structure**
- **Topic Modeling**
- **Conclusion**

Possible future work

- **post recommendation**
 - **click trajectory**
 - **social network**
- **peer grading**
 - **click stream and forum**
- **assigning reviewers**
 - **implicit social networks**