

Dataset	market	crime	education	political	economy	law	weather	music
APNEWS	trading	shot	education	democratic	economy	case	rain	songs
	billion	wounded	students	primary	crisis	judge	kilometers	dance
	revenue	murder	community	election	Europe	supreme	weather	comedy
	cents	guilty	college	congressional	Eurozone	trial	winds	musical
	zacks	sentenced	teachers	race	bailout	dismissed	wildfire	fans
IMDB	war	crime	video	effect	name	negative	detective	acting
	war	kidnap	dvd	effects	robinson	poorly	agatha	oscar
	weapons	murdered	vhs	cinematography	grant	unfunny	book	award
	solders	attacked	video	photography	dunne	horrible	christie	william
	nations	shot	saw	visual	davis	scary	holmes	errol
	iraq	kill	channel	editing	edwards	sucks	eyre	freeman
BNC	politics	sports	body	finance	research	government	art	education
	minister	league	eyes	income	factors	government	music	schools
	prime	championship	walked	agencies	research	state	album	students
	union	saturday	lips	tax	context	labour	art	education
	soviet	manchester	shook	sector	expertise	council	picture	learn
	elected	St	sat	expenditure	analysis	nation	guitar	courses
Yahoo	sports	computer	music	polities	health	education	family	business
	cup	windows	music	president	eat	education	guy	credit
	football	download	song	bush	weight	school	sex	account
	win	xp	songs	george	fat	college	women	card
	match	software	band	vote	pounds	high	men	money
	team	file	listen	cliton	water	university	ladies	bank
Yelp	commerce	food	customer	hotel	positive	others	negative	wine
	store	fried	customer	room	great	est	rude	wine
	shop	fries	buy	hotel	nice	und	do	beer
	helpful	soup	care	service	excellent	ist	worst	great
	job	sandwich	money	car	good	es	horrible	coffee
	customer	rice	business	breakfast	spot	pour	worse	good

Table 1: Top-5 words in 8 topics from our model on APNEWS, IMDB, BNC, Yahoo and Yelp. Boldface words are names of the topics summarized by us.

Topic	Question	Answer
Science & Mathematics	how do we get smarter?	by gaining intelligence and knowledge so then leading to know more things u see how it work.
Society & Culture	how do you cope with god?	god knows how to make it feel more than god you can do.
Health	how do i increase our metabolism?	by eating in the morning and eat healthy food.
Education & Reference	how do you spell grammar?	by read the word language and grammar.
Computers	how do i delete the password?	by delete cookies and delete it.
Sports	how do you get into world cup?	i do n't think i can going to be.
Business & Finance	how do you earn money?	by have a credit card and you can get money.
Entertainment & Music	can anyone tell me where i can find out where i can find a job?	by taking a hot bath and taking a hot bath.
Family & Relationships	how do you cope with sex?	if you are in love with you , you can get married to you.
Politics & Government	how many states have you smoke?	it depends on how many people are in your country.

Table 2: A topic transfer example on Yahoo dataset.

Topic	Question	Answer
Health	im getting a cold once a month for the past 8 months. why?	may not be a cold , you may have allergies. maybe check with your doctor.
Society & Culture	i need a job for a job. what is the best way to get a job?	it depends on what you are looking for.
Science & mathematics	i need a word for a sentence. what is the meaning of word?	it means that you are referring to a word that means word.
Sports	i have a question for answer. whos going to win a super bowl a week?	i think it 's a good question.
Entertainment & Music	anyone know a good way to get a cold air force?	i have a lot of people that have a lot of time. i do n't know.
Computers	i have a problem with my yahoo toolbar . the problem is blocking the internet explorer?	you can delete the password and password.
Education & Reference	i need a job in my college school. what?	i think it depends on the state.
Business & Finance	i need a loan for a loan. what is the way to get money?	credit card is a good money.
Family & Relationships	i need a girl to be a woman. what is the relationship between sex and marriage?	i do n't know if it is a relationship between sex and love.
Politics & Government	i need a lawyer to make a house. what is the best way to get rid of them?	the police officer. you can get a lawyer.

Table 3: A topic transfer example on Yahoo dataset.

Topic	Question	Answer
Sports	can u tell me where i can download nfl video clips so i can transfer them to my psp?	nfl denver broncos highlights , greatest games of 06 , greatest catches between 2000 & 2006 google video or you tube.
Society & Culture	do u wan na date me to date my birthday date birthday birthday birthday?	i want to date my birthday party.
Science & reference	what are the main differences between english language?	i think it 's language.
Health	can anyone tell me where i can find out where i can find out about doctor?	go to the hospital.
Entertainment & Music	can anyone tell me where i can find out where i can watch movies?	go to the mall mall.
Computers	can anyone tell me where i can find pics of my friends list on mspace and i want to know?	go to http://images.google.com/ search
Education & Reference	can anyone tell me where i can find out where i can find out about school in columbus?	go to the school.
Business & Finance	can anyone tell me where i can find out where i can find a job?	go the the bank.
Family & Relationships	can anyone tell me where i can find out where i can watch movies on my wedding wedding concert?	Its not clear.
Politics & Government	dou think george bush will be able to get president to go to jail for president ?	he 's in office in office in january 2009.

Table 4: A topic transfer example on Yahoo dataset.