LDA				MRF-LDA				
Topic 2	Topic 3	Topic 4	Topic 1	Topic 2	Topic 3	Topic 4	Topic 1	Topic
(NASA)	(Art)	(Apple)	(NBA)	(NASA)	(Art)	(Apple)	(NBA)	(NAS
space	artist	apple	game	space	${f time}$	iphone	game	spac
shuttle	museum	iphone	lebron	shuttle	artist	apple	lebron	shutt
launch	${f great}$	store	kobe	great	${f video}$	\mathbf{check}	kobe	laun
nasa	\mathbf{check}	\mathbf{time}	player	launch	${f twitter}$	\mathbf{team}	lakers	nasa
atlantis	$_{ m photo}$	steve	museum	good	\mathbf{blog}	\mathbf{live}	player	atlan
\mathbf{live}	\mathbf{blog}	jobs	lakers	nasa	year	love	team	$_{ m chec}$
video	artists	snow	play	\mathbf{store}	${f record}$	follow	going	live
weather	gallery	\mathbf{best}	tonight	\mathbf{watch}	\mathbf{coming}	star	james	wate
\mathbf{watch}	painting	good	james	today	work	coach	play	weath
\mathbf{check}	modern	\mathbf{google}	better	atlantis	artists	going	allen	crev
DMM Topic 1 Topic 2 Topic 3 Topic 4			BTM					
Topic 2	Topic 3	Topic 4	Topic 1	Topic 2	Topic 3	Topic 4	Topic 1	Topic
(NASA)	(Art)	(Apple)	(NBA)	(NASA)	(Art)	(Apple)	(NBA)	(NAS
space	artist	apple	game	space	artist	apple	game	spac
	museum	iphone	kobe	shuttle	${f great}$	iphone	lebron	shutt
launch	\mathbf{check}	store	lebron	launch	museum	\mathbf{good}	kobe	laund
nasa	$_{ m photo}$	${f time}$	lakers	nasa	\mathbf{check}	steve		nasa
atlantis	painting	steve	team	atlantis	miami	video	lakers	fligh
${f live}$	artists	\mathbf{snow}	player	\mathbf{live}	painting	store	coach	weath
\mathbf{check}	exhibition	jobs	scored	crew	artists	${f time}$	points	atlan
video	modern	\mathbf{google}	points	weather	gallery	jobs	james	crev
weather	gallery	${f great}$	going	\mathbf{watch}	_	ipod	play	imag
today	blog	good	james	image	free	going	allen	ares
	Topic 2 (NASA) space shuttle launch nasa atlantis live video weather watch check D Topic 2 (NASA) space shuttle launch nasa atlantis live check video weather	Topic 2 (NASA) (Art) space artist shuttle museum launch great nasa check atlantis photo live blog video artists weather gallery watch painting check modern DMM Topic 2 Topic 3 (NASA) (Art) space artist shuttle museum launch check nasa photo atlantis painting live artists check exhibition video modern weather gallery	Topic 2 Topic 3 (Apple) space artist apple iphone launch great store nasa check time atlantis photo steve live blog yideo artists snow weather gallery best watch painting check modern google DMM Topic 2 Topic 3 Topic 4 (Apple) space artist apple iphone shuttle museum iphone launch check store nasa photo time atlantis painting steve live artists snow iphone steve shuttle museum iphone shuttle museum iphone steve shuttle painting steve check exhibition yideo modern google google weather gallery great	Topic 2 Topic 3 Topic 4 (NBA) space artist apple game iphone lebron launch great store kobe nasa check time player atlantis photo steve museum live blog jobs lakers video artists snow play weather gallery best tonight watch painting good james check modern google better DMM Topic 2 Topic 3 Topic 4 (NBA) space artist apple game shuttle museum iphone kobe launch check store lebron nasa photo time lakers atlantis painting steve team live artists snow play space artist apple game shuttle museum iphone kobe launch check store lebron nasa photo time lakers atlantis painting steve team live artists snow player check exhibition jobs scored video modern google points weather gallery great going	Topic 2 Topic 3 (Art) (Apple) (NBA) (NASA) space artist apple game space shuttle museum iphone lebron shuttle launch great store kobe great nasa check time player launch atlantis photo steve museum jobs lakers nasa video artists snow play store weather gallery best tonight watch painting good james today check modern google better atlantis DMM BT Topic 2 Topic 3 Topic 4 Topic 1 Topic 2 (NASA) (Art) (Apple) (NBA) (NASA) space artist apple game space shuttle museum iphone kobe shuttle launch check store lebron launch nasa photo time lakers nasa atlantis painting steve team atlantis live artists snow player live check exhibition jobs scored crew weather gallery great going watch	Topic 2 Topic 3 Topic 4 (Apple) (NBA) (NASA) (Art) space artist apple game space time shuttle museum iphone lebron shuttle artist launch great store kobe great video nasa check time player launch twitter atlantis photo steve museum good blog live blog jobs lakers nasa year video artists snow play store record weather gallery best tonight watch coming watch painting good james today work check modern google better atlantis artists DMM BTM Topic 2 Topic 3 Topic 4 Topic 1 Topic 2 Topic 3 (NASA) (Art) (Apple) (NBA) (NASA) (Art) space artist apple game space artist shuttle museum iphone kobe shuttle great launch check store lebron launch museum nasa photo time lakers nasa check atlantis painting steve team atlantis miami live artists snow player live painting check exhibition jobs scored crew artists video modern google points weather gallery weather gallery great going watch blog	Topic 2 Topic 3 Topic 4 (NASA) (Art) (Apple) (NBA) (NASA) (Art) (Apple) (NBA) (NASA) (Art) (Apple) space artist apple game space time iphone shuttle museum iphone lebron shuttle artist apple launch great store kobe great video check nasa check time player launch twitter team atlantis photo steve museum good blog live live blog jobs lakers nasa year love video artists snow play store record follow weather gallery best tonight watch coming star watch painting good better atlantis artists going better atlantis artists going better atlantis artists going better atlantis artists going better shuttle museum iphone kobe shuttle great iphone launch check store lebron launch museum good stave launch museum player atlantis painting good iphone launch check store lebron launch museum good launch museum good launch museum player live painting store check exhibition jobs scored crew artists time video modern google points weather gallery jobs weather gallery great going watch blog ipod	Topic 2 Topic 3 Topic 4 Topic 1 Topic 2 Topic 3 Topic 4 (NASA) (Art) (Apple) (NBA) (NASA) (Art) (Apple) (NBA) space artist apple game space time iphone game shuttle museum iphone lebron shuttle artist apple lebron launch great store kobe great video check kobe nasa check time player launch twitter team lakers atlantis photo steve museum good blog live player live blog jobs lakers nasa year love team video artists snow play store record follow going weather gallery best tonight watch coming star james watch painting good james today work coach play check modern google better atlantis artists going allen DMM Topic 2 Topic 3 Topic 4 Topic 1 Topic 2 Topic 3 Topic 4 Topic 1 (NASA) (Art) (Apple) (NBA) (NASA) (Art) (Apple) (NBA) space artist apple game shuttle museum iphone kobe shuttle great iphone launch check store lebron launch museum good kobe nasa photo time lakers nasa check stove player atlantis painting steve team atlantis miami video lakers live artists snow player live painting store coach check exhibition jobs scored crew artists time points video modern google points weather gallery jobs james weather gallery great going watch blog ipod play