JSON INPUT FILE

First Job: Preprocessing_job				
Mapper:	Combiner	Reducer		
get_word_cat_pairs	Catcount_per_word	Catcount_reducer		
Input: Amazon review json file	Input: word keys with a list of	Input: for each word key a list		
Output: for each word found	categories the word appeared	of dictionaries of category		
in the reviewtext that is not a	in (duplicates possible)	counts (words can appear		
stopword and has length > 1,	Output: key value pairs with	more than once)		
the key-value pair (word:	the word as key and a	Output: key value pairs with a		
category) is yielded	dictionary containing all	word as key and a combined		
	categories the word appeared	dictionary of total counts of		
	in as keys and the number of	appearance per category as		
	appearances as values.	value		

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Counter.txt	Intermediate.txt	
Contains:	contains output from Preprocessing job	
 n_reviews: counts number of mapper callse = total number of reviews rev_per_cat: counts number of mapper calls for each category 		

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Second job: Chisquare_job				
Mapper init:	Mapper:	First reducer:	Second reducer:	
Mapper_initialize	Chisquare_per_word	Top_75_per_cat	Sort_alphabet	
	Input: intermediate.txt	Input: key-value	Input: key- value pairs	
	file from the first job	pairs of the form	of the form (None,	
	,key-value pairs of the	(category: [word, chi ²	[category,list of 75	
	form (word: dictionary	value]) from the	words with highest	
	with number of	mapper	chisquare in category])	
	appearances per	Output: key- value	from the first reducer	
	category)	pairs of the form	Output: for each	
	Output: key-value pairs	(None, [category,list	category a string of the	
	of the form (category:	of 75 words with	form: <category></category>	
	[word, chi² value])	highest chisquare in	firstWord: highest chi^2	
		category])	secondWord: 2 nd	
			highest chi^2	
			Also a final line with all	
			of the words in	
			alphabetical order	

Final_out.txt