Using collocation analysis to reveal the construction of minority groups: The case of refugees, asylum seekers and immigrants in the UK press

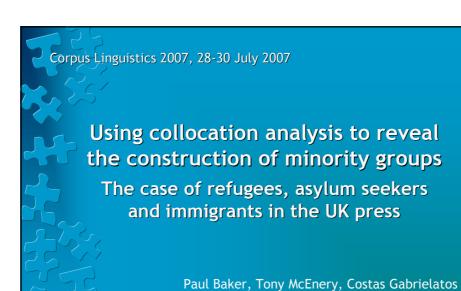
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Refugees, asylum seekers, and immigrants (henceforth RASIM) coming into the UK have attracted increased press attention (Greenslade, 2005). As their representation in the press can construct their identity (Duffy and Rowden, 2005: 6, in Greenslade, 2005: 7), the discourses surrounding these groups have been the focus of linguistic studies (e.g. ter Wal, 2002).

This paper reports on the ESRC funded project, 'Representation of refugees and asylum seekers in UK newspapers 1996-2005'. Although the project combines critical discourse analysis and corpus linguistics approaches, the paper aims to exemplify the contribution of corpus research to discourse analysis (cf. Koller & Mautner, 2004; Orpin, 2005; Sotillo & Wang-Gempp, 2004). The study used a corpus of 140 million words, comprising 175,000 articles from 15 UK newspapers, spanning 1996-2005 (see Gabrielatos, 2007). Specifically, the paper reports on the collocational analysis, which adopted the methodology in Baker & McEnery (2005) and McEnery (2006). An added methodological notion, akin to *key keywords* (Scott, 2004: 115), is that of *consistent collocates*, i.e. words which are collocates in at least seven out of the ten annual sub-corpora.

Collocates can contribute to "a semantic analysis of a word" (Sinclair, 1991: 115-116). Also, as "they can convey messages implicitly and even be at odds with an overt statement" (Hunston, 2002: 109), they are a suitable vehicle for the discoursal presentation of a group (Baker, 2006). The analysis also makes use of the related notions of *semantic prosody* (Louw, 1993: 157), *semantic preference* (Stubbs, 2001: 65), and *discourse prosody* (ibid.: 65-66). The examination of collocation patterns has revealed systematic semantic associations, which map onto the CDA notions of *topos* (Reisigl & Wodak, 2001: 74–76) and *topic* (Sedlak, 2001: 129-130), as well as metaphors commonly employed in racist discourse (van der Valk (2000: 234). Arguably, these patterns reveal elements of the underlying discourses relating to RASIM.



The RASIM Corpus (1996-2005)

Articles: 175,139

Words: 139,510,037

Sub-corpora:

per newspaper

broadsheets/tabloids

per year

Business Evening Standard Express

Lancaster University

Daily Mail + Mail on Sunday Daily Mirror + Sunday Mirror

Guardian + Observer

Herald

Independent + Independent on Sunday

Liverpool Echo

People

Star

Sun

Telegraph + Sunday Telegraph

Times + Sunday Times

Informing concepts

Collocation

- collocates can provide "a semantic analysis of a word" (Sinclair, 1991: 115-116).
- collocation patterns "are often unavailable to intuition or conscious awareness. They can convey messages implicitly and even be at odds with an overt statement" (Hunston, 2002: 109).
- Collocational network (Phillips, 1989)

 Shared collocates and intercollocation of RASIM.

- Semantic preference (Stubbs, 2001: 65)
 Indexes the concepts, topics and issues routinely associated with RASIM.
- Semantic prosody (Louw, 1993: 157) Discourse prosody (Stubbs, 2001: 66)
- - Index attitudes and evaluative stance towards RASIM.

Topoi

- "Conclusion rules that connect the argument with the conclusion" (Reisigl and Wodak, 2001: 74-76).
 Used to refine categories emerging from concordance analysis.

A problem

- The RASIM corpus is diachronic.
- Extracting collocates from the whole corpus can be expected to include a large number of 'seasonal collocates'.
- Confirmed by collocational analysis of annual sub-corpora.
- Cumulative breakdown of RASIM collocates present in up to five annual sub-corpora:

Term	1 year	1-2 years	1-3 years	1-4 years	1-5 years
refugees	56.7%	73.3%	81.9%	87.0%	92.3%
asylum seekers	58.2%	76.6%	83.7%	88.9%	92.8%
immigrants	50.8%	68.8%	78.2%	83.5%	88.3%
migrants	62.3%	77.4%	86.1%	90.2%	94.7%

Most collocates are 'seasonal'.

Solution: Consistent Collocates

Scott (1998: 97-98) uses the notion of *consistency* in relation to word lists and keywords.

A consistency analysis shows the number of texts or sub-corpora that a word is found in.

- □ Collocates of RASIM were calculated for each annual sub-corpus.
- Consistent collocates were deemed those present in at least seven of the ten sub-corpora.
- They indicate core elements of meaning, semantic associations and semantic preferences/prosodies.

Term	Ratio of c-collocates
refugees	7.7%
asylum seekers	4.5%
immigrants	8.9%
migrants	4.0%

Consistent Collocates: Calculation

- Collocates calculated in each annual sub-corpus (using WordSmith Tools, Scott, 1999).
 - Annual collocates tabulated, and c-collocates established manually.
- Category inclusion established through concordance analysis.
- □ Span: ±5 (within sentence boundaries).
- MI determines strength of collocation, but not statistical significance (McEnery, 2006: 22).
- △ LL determines statistical significance.
- \Box \Rightarrow Cut-off point for c-collocates: MI \geq 3 and LL \geq 6.63 ($p\leq$ 10⁻¹).
- ☐ Minimum frequency of collocates: 5 (3 for *migrants*).
- Alinimum frequency of c-collocates: 35 (21 for migrants).

Findings from relevant study (Baker & McEnery, 2005) Refugees commonly described in terms of: provenance temporary residence destination quantity movement plight Asylum seekers frequently linked to: sissues of legislation related to immigration problems allegedly stemming from their presence in the host country illegal / unsuccessful / would-be immigrants

Focus C-collocates of refugees, asylum seekers, immigrants, migrants (RASIM). Common c-collocates of RASIM. Categorisation of c-collocates informed by topoi, topics or metaphors recognised in CDA (Reisgl & Wodak, 2001; Sedlak, 2000; van Leuven, 1996; Wodak & van Dijk, 2000). Overlap of categories between RASIM. C-intercollocations between the terms.

Definitions			
25	Longman Dictionary of Contemporary English (2003)	Refugee Council	
refugee	Someone who has been forced to leave their country, especially during a war, or for political or religious reasons.	Someone whose asylum application has been successful and who is allowed to stay in another country having proved they would face persecution back home.	
asylum seeker	Someone who leaves their own country because they are in danger, especially for political reasons, and who asks the government of another country to allow them to live there.	Someone who has fled persecution in their homeland, has arrived in another country, made themselves known to the authorities and exercised the legal right to apply for asylum.	
immigrant	Someone who enters another country to live there permanently.		
migrant	Someone who goes to live in another area or country, especially in order to find work.	[economic migrant] Someone who has moved to another country to work.	
255	refugee → asylum seeker	asylum seeker → refugee	
325	A/refugee need not be/become an asylum seeker.	A refugee has been an asylum seeker.	
5 5 2	N		

2	3	Pli	ght	
	refugees	asylum seekers	immigrants	migrants
15 7-15 TOU (2) X	aid desperate displaced driven escape fear fighting fled flee fleeing forced homeless homes leave persecution	fled fleeing forced	fled [!]	fleeing [I]
S 5 5 7 1	torn Z			

refugees	asylum seekers	immigrants	migrants
rejugees		iiiiiiigi uiits	liligi ulits
\sim	accommodation		
illowed	allowed		allowed
isylum			asylum [!]
camp			
camps			
granted	granted		
	housed		
	housing		
	live		
7.3	living	living	
seek			
seeking		seeking [!]	seeking [!]
settle		settle	
settled		settled	
helter			
sheltering			
tay	stay	stay	
500	temporary		
waiting	temporary	stay	

Economic burden/threat				
refugees	asylum seekers	immigrants	migrants	
allowed	allowed benefits claiming economic entitled receive	jobs working	jobs work	
economic burden economic threat				
1355 1355 1355 1355				

Shared c-collocates: proportion (non-directional)

Pairs o	% of shared c-collocates	
immigrants	migrants	59.0%
asylum seekers	immigrants	43.0%
refugees	asylum seekers	40.5%
refugees	immigrants	33.5%
asylum seekers	migrants	32.0%
refugees	migrants	28.0%

Shared c	-collocate	s: proport	tion (direc	ctional)	
K	refugees	asylum seekers	immigrants	migrants	
refugees		34%	33%	18%	
asylum seekers	47%		46%	26%	
immigrants	34%	40%		39%	
migrants	38%	38%	79%		

3	Shared c-	collocates:	categories	
↓ ↓	refugees	asylum seekers	immigrants	migrants
refugees		ENTRY NUMBER ECON. BURDEN RETURN	ENTRY RESIDENCE	ENTRY
asylum seekers	ENTRY PLIGHT NUMBER RETURN		ENTRY LEGALITY/LEGITIMACY PTD RESIDENCE	ENTRY
immigrants	ENTRY RESIDENCE PLIGHT NUMBER	ENTRY PLIGHT RESIDENCE LEGALITY/LEGITIMACY		ENTRY ECON. THREAT
migrants	ENTRY RESIDENCE PLIGHT PTD	PLIGHT	PTD ENTRY RESIDENCE ECON. THREAT LEGALITY	
	7			

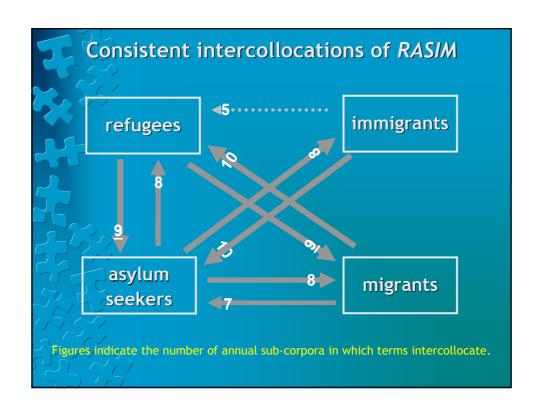
7	C-collocates indexing different categories: The case of allowed
Entry	FRANCE finally closed a loophole yesterday which has allowed thousands of illegal immigrants to sneak into Britain on Eurostar trains. (Daily Star, 5 February 2002).
Residence	Jack Straw faced embarrassment last night as it emerged that almost one-third of new asylum seekers have been allowed to remain in Britain. (Daily Mail, 26 November 1998)
Economic burden /	Burden: But illegal immigration and bogus asylum seekers have been allowed to pour into Britain to live off our taxes. (The Sun, 21 April 2005). Threat: Job firms in the South have been inundated with
	pleas for jobs from illegal migrants who are allowed to work. (Sunday Mirror, 16 April 2000)
Return	Only a small number of refugees have been allowed to return home, and there has been muted progress in merging Serb-controlled areas with those of the Muslim-Croat federation. (The Times, 25 September 1997)
355	

Shared c-collocates indexing interchangeable use of *RASIM*: The case of *trying*

English, Welsh and Scottish Railways (EWS) warned last night that it cannot, and will not, endure another six months of lost revenue - (pounds) 10m so far - arising from security problems caused by asylum seekers in France. EWS services to and from Europe have fallen by 60% since November because so many refugees are trying to board trains bound for Britain via the Channel tunnel. (The Herald, 7 May 2002)

CHANNEL Tunnel security came under scrutiny last night after 44 illegal immigrants were intercepted trying to reach Dover. The desperate asylum seekers walked seven miles in complete darkness before being caught. (The Mirror, 31 August 2001)

All the passengers were illegal immigrants trying to make their way to Greece. Survivors identified them as Pakistanis, Moroccans and Bangladeshis. Mr Dokuzoglu said Indian and Afghan refugees were also believed to be on board. (The Guardian, 2 January 2001)



Intercollocations: Contexts

Problem/issue (here: economic problem):

A CRACKDOWN on London's black market jobs racket for asylum seekers and illegal immigrants will be launched today by David Blunkett as he unveils sweeping reforms of the immigration system. (The Evening Standard, 7 February 2002)

Plight

The scheme helps the homeless, refugees and asylum-seekers, young people leaving care, the elderly, and women fleeing domestic violence. (Liverpool Daily Echo, 26 August 2005)

Scepticism about RAS being genuine

Mr Blünkett must find a much faster way of sorting out genuine refugees from economic immigrants. (The Express, 5 September 2001)

Confusion/conflation of use

Gradually - very gradually - a policy solution seems to be emerging. Countries start by allowing entry to job-creating entrepreneurs. Then they admit workers with skills that are in short supply. They also accept, perhaps for a limited period, large numbers of unskilled workers needed to keep hospital floors swept and construction projects going. Then they allow in some immigrants who are genuine asylum seekers. (The Times, 30 July 2000)

Conclusions

The significant overlap of c-collocates of RASIM, indicates the use of these terms in the same/similar contexts, and with similar attitudes.

Large proportion of shared c-collocates and strong intercollocations can be interpreted as an indication of overlap in their usage, and, in some cases, their use as near synonyms.

The examination of expanded concordances of shared collocates revealed further instances of conflation in the use of RASIM.

 Discourses related to RASIM seem to revolve around a small number of categories, most denoting negative stance.

6 Overall, c-collocates index the treatment of RASIM as a problem.

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