

Conservation of Biodiversity  
using Data on BF Networks

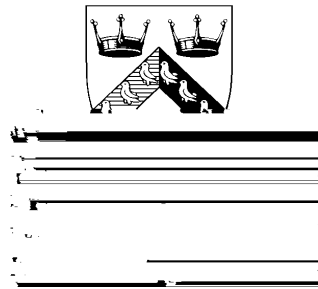
A Jonathan How and Harriet Buxton

Chapter 6

February

ISBN 978-0-19-955066-6

UNIVERSITY OF



---

Contents  
starting pages

---

# Conjunctions, prepositions and usage of the definite article in British English

A Jonathan How and Hilary Buxton  
Department of Psychology, University of Sussex  
Falmer, Brighton BN1 9QJ, UK

E-mail: {jonh,hilaryb}@cogs.susx.ac.uk

February 2010

## Abstract

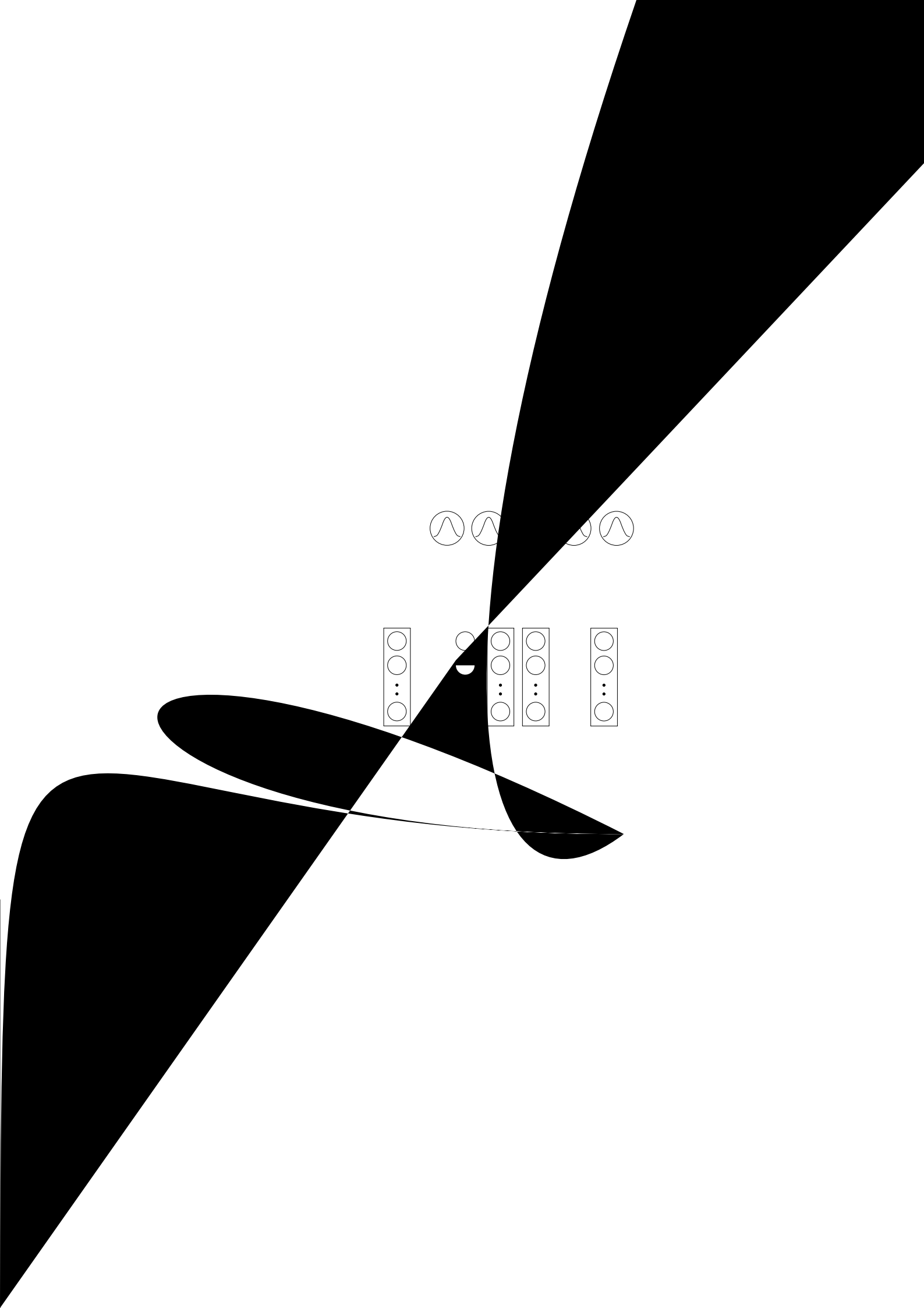
This paper presents experiments using an online task to investigate the use of conjunctions, prepositions and the definite article in British English. The results show that the use of these words is influenced by the syntactic and semantic context in which they appear. The results also show that the use of these words is influenced by the frequency of their use in the language.

**Keywords:** British English, definite article, prepositions, conjunctions, usage, frequency, online task, Invariance

## 1 Introduction

Conjunctions, prepositions and the definite article are important parts of the English lexicon. They are used to connect words and phrases in a sentence and to indicate the relationship between them. The use of these words is influenced by the syntactic and semantic context in which they appear. The results of this study show that the use of these words is influenced by the frequency of their use in the language.

b) Grosswörter, anspars, ... ns onat





a



b

now	aps	ran	st	Inta	Ds ar	atrDs ar
		6 6			3	
		3 3			3	

ab ... tat L or tat L qu n s,ro, At rnat Fra s Cass s

now	aps	ran	st	Inta	Ds ar	atrDs ar
		6 6			3	
				3	3	6

ab ... tat L L qu n s,ro, At rnat Fra s Cass s

,ro, ,ra, s... an us n ° nt rva s wo ass sar tran ,or  
 ,t to r ,t, ov , nt an stat ... tat s qu n sar s, uat b r p at n t  
 , ,ra, o, t, t, w n ow

**Static/RL** ... s s s, ar to L x pt t at t rotat on s n t ot r r t on so  
 t at t trans w t ,ra, s 6 an an t sts on an .

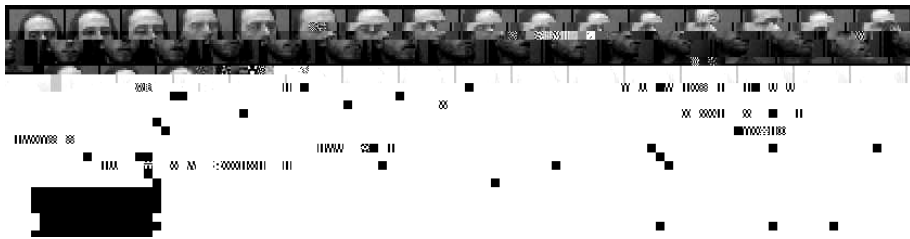
**Static/LR/RL** ... s s s, ar to L an L but trans ,or t r ass s ,t to r ,t

n ow	a p s	ra n	st	In t a	D s ar	a t r D s ar
6	6 6			6		6
	6					6
	6 6			6		6

ab tat L or tat L qu n s,ro, A t rnat op C ass s

n ow	a p s	ra n	st	In t a	D s ar	a t r D s ar
6	6 6			6		
	6			6		
	6 6			6	6	

ab tat L L qu n s,ro, A t rnat op C ass s



F ur t st a s qu n t t var at on n , a post on an a r t on

... n ow	a, p s	ra n n	st	Int rat on La r				
6	6			6	6	6	6	6
			3	6	6	6	3	
			6	6	6		3	3
			6	6	6			3

ab ... tat L L qu n s Fro, A t rnat op ... st o



## 6 Conclusion

... an points, r ar ... t s, p ... t r, n st /tra n n o, t ... D BF n twor s ... ans t at t ... ar ... su t to on n ar n n t s, t nvar an an ab t to r o n s, atur s n t, ... ans t ... ar apab o, r o n s n s, p b, av ours an ... v s o, p r or, an on t ... n ra sat on to n w atas ts t at b, av n s, ar wa s, ans t ... ar v r us, u, or su, pra t a na, v s on tas s, ... tat ons o, t s t, n qu ar ... t prob, o, t t, bas w, was not, u ov r o, v n w t t a t on o, an nt rat on a r an t prob, o, n n t s, p b, av ours ... D BF n twor s ar apab o, st n us, n a /qu turn, ro, a /s ow turn as w as st n us, n w, t r t turn was to t r, t or t t but t s, s t at, or qua tat v n t ons o, b, av our wou b st b ta us n, or n r a r urr nt n twor s, s s s u s s uss, ur t r b o r an b sarrou Buxton ... In a t on C r, ans ... s, ows t at part a r urr nt n twor s to t r w t a qua tat v nput r pr s ntat on an b su s s u us v n, or t, an n tas o, pr t n stat to stat trans t ons n nt stat auto, ata It s ar, ow v r t at t ... D BF n twor s ar ab to p r or, xtr, w w, r t r s a stra, t orwar quantat v r at ons, p b tw n t, ata an t s, p b, av our patt rn to b arnt

## References

A, a ... r sp ... o, so ut ons to t, s s n, atur prob, n v s on in J Hanson J D Cowan C L G s s /A van s n Mura In or, at on ro s s n ... st, s o ... or an Kau, ann pp

B r t o ... A t, a ra a bas s, un t on n twor, or p, on, r o n t on in / ro n s o, Int rnat ona Con, r n on Mura M twor s o r an o pp

B s, op C ... Neura Networ s for Pattern Recognition x, or v n v r s t r s s

C r, ans A ... F n t stat auto, ata an s, p r urr nt n twor s Neura Co putation **1** ...

Dau, an J G ... Co, p t s r t D abor trans, or, s b n ura n twor s, or, a ana s s an o, pr s s on IEEE ransactions on Acoustics peech igna Processing **36** ... **6** ...

E, an J ... F n n stru tur n t, Cognitive cience **14** ...

Gros F ... / o, xt ns ons o, ra a bas s, un t ons an t r a t ... **6** ... **37** ... **3** ... C

How A J Buxton H . . . a / Invar an n ra a bas s, un t on n ura n twor s  
n, u, an, a ass at on *Neura Processing Letters* **2** 6

How A J Buxton H . . . b ptv , un t ons, or, a r o n t on  
in / ro n s o, n Int rnat ona . or s, op on ara o n o, Mura  
p rators, or att rn o n t on Unv rs t o, A arv Faro ortu a pp,

How A J Buxton H . . . c A s a ab appoa , to, a nt at on in  
/ ro n s o, Int rnat ona Con, r n on Art a Mura Mtwor s o  
EC C ar s Fran pp 6

How A J Buxton H . . . a Fa r o n t on us n ra a bas s, un t on n ura  
n twor s in / ro n s o, Br t s, a , n s on Con, r n B A E n  
bur , pp 6

How A J Buxton H . . . b owar s un onstra n , a r o n t on, ro,  
, a s qu n s in / ro n s o, Int rnat ona Con, r n on Auto, at Fa  
G stur o n t on IEEE Co, put r o t r ss K n ton pp

Jor an r a or r A para str but pro ss n appoa , in / A van s  
n Conn t on st , or Er bau,

L Cun Y Bos r B D n r J . H n rson D Howar E Hubbar .  
Ja L D /Ba propa at on app to, an wr tt n p o r o n  
t on *Neura Co putation* **1**

oo J Dar n C . . . L ar n n w t o a r ptv s in D our t  
G Hnton n ows s / ro n s o, Conn t on st o s  
u, s, r , oo or an Kau, ann ttsbur A pp

oo J Dar n C . . . /Fast ar n n n twor s o, o a tun pro ss n  
un ts *Neura Co putation* **1**

o r Mura n t ar, t tur s, or t, pora s qu n pro ss n in  
A n G rs n, s / s, r s r t on r t n t, Futur  
an Un rstan n t, ast A son s

sarrou A Buxton H . . . /H br ar, t tur , or un rstan n , ot on s  
qu n s *Neuroco puting* **5**

sarrou A Buxton H . . . ot on ana s s w t r urr nt n ura n ts in / ro  
n s o, Int rnat ona Con, r n on Art a E 6 r n r 6 t 6 6