

# Individual differences in the decline of the DEONTIC NCI construction

## A radically usage-based exploratory investigation

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### Appendix

Table A1. Andy Adams (1859–1935)

Publication year	1903	1904	1905	1907	1911	Early career 1903–1905		Later career 1907–1911		Log-likelihood score for difference between early-career and later-career numbers
Novel title	<i>The Log of a Cowboy</i>	<i>A Texas Matchmaker</i>	<i>The Outlet</i>	<i>Reed Anthony, Cowman</i>	<i>Wells Brothers</i>	n	n/100K	n	n/100K	
Subcorpus word number	99,128	90,190	94,320	92,586	74,340	283,638		166,926		
Construction type	n	n	n	n	n	n	n/100K	n	n/100K	
<i>compelled</i>	13	8	13	10	3	34	11.99	13	7.79	1.85
<i>allowed</i>	6	8	4	8	10	18	6.35	18	10.78	2.5
<i>entitled</i>	2	2	4	1	1	8	2.82	2	1.2	1.37
<i>forced</i>	1	4	1	1		6	2.12	1	0.6	1.8
<i>expected</i>	2	3		1	1	5	1.76	2	1.2	0.22
<i>ordered</i>	3	1	1			5	1.76	0	0	4.63 <sup>+</sup>
<i>invited</i>		2	2	2	1	4	1.41	3	1.8	0.1
<i>bound</i>	1	1	2	1		4	1.41	1	0.6	0.68
<i>supposed</i>	1		2	2	1	3	1.06	3	1.8	0.42
<i>intended</i>	2	1		2		3	1.06	2	1.2	0.02
<i>asked</i>		2	1	1		3	1.06	1	0.6	0.26
<i>dispatched</i>	1		2	1		3	1.06	1	0.6	0.26
<i>made</i>	1		1	2		2	0.71	2	1.2	0.28
<i>permitted</i>	1		1	2		2	0.71	2	1.2	0.28
<i>instructed</i>	1	1		1		2	0.71	1	0.6	0.02
<i>called</i>	1		1			2	0.71	0	0	1.85
<i>sent</i>			1	3	2	1	0.35	5	3	5.45 <sup>+</sup>
<i>advised</i>			1	1	1	1	0.35	2	1.2	1.08
<i>appointed</i>			1			1	0.35	0	0	0.93
<i>commanded</i>		1				1	0.35	0	0	0.93
<i>constrained</i>		1				1	0.35	0	0	0.93
<i>requested</i>			1			1	0.35	0	0	0.93
<i>told</i>		1				1	0.35	0	0	0.93
<i>enabled</i>				5	1	0	0	6	3.59	11.92 <sup>***</sup>
<i>authorised</i>				2		0	0	2	1.2	3.97 <sup>+</sup>
<i>directed</i>				1		0	0	1	0.6	1.99
<b>TOTAL</b>						<b>111</b>	<b>39.13</b>	<b>68</b>	<b>40.74</b>	<b>0.07</b>
TYPE FREQUENCY							23		19	

Table A2. Grant Allen (1848–1899)

Publication year	1884	1891	1891	1893	1895	1895	1897	1899		Early career 1848–1891		Later career 1893–1899	Log-likelihood score for difference between early- career and later-career numbers	
Novel title	<i>Philistia</i>	<i>The Great Taboo</i>	<i>What's Bred in the Bone</i>	<i>Michael's Crag</i>	<i>The British Barbarians</i>	<i>The Woman who Did</i>	<i>An African Millionaire</i>	<i>Hilda Wade</i>						
Subcorpus word number	143,694	75,648	98,820	34,769	36,761	45,656	65,848	89,009		318,162		272,043		
Construction type	n	n	n	n	n	n	n	n	n	n	n/100K	n	n/100K	numbers
<i>compelled</i>	6	4	3		1	2	3			13	4.09	6	2.21	1.66
<i>obliged</i>	7	2		1	4		1	2		9	2.83	8	2.94	0.01
<i>allowed</i>	4	1	3		11		3	3		8	2.51	17	6.25	4.88 *
<i>bound</i>	3	1	3	4	1	1	6	4		7	2.2	16	5.88	5.17 *
<i>permitted</i>	2	1					1	3		3	0.94	4	1.47	0.34
<i>made</i>	2		1			1	1			3	0.94	2	0.74	0.08
<i>expected</i>	1		1		1	2		1		2	0.63	4	1.47	1.03
<i>forced</i>			2	2		1				2	0.63	3	1.1	0.39
<i>authorised</i>			2		1					2	0.63	1	0.37	0.2
<i>asked</i>			1				1	3		1	0.31	4	1.47	2.43
<i>condemned</i>	1				1					1	0.31	1	0.37	0.01
<i>constrained</i>			1					1		1	0.31	1	0.37	0.01
<i>requested</i>	1				1					1	0.31	1	0.37	0.01
<i>commanded</i>	1									1	0.31	0	0	1.24
<i>enabled</i>	1									1	0.31	0	0	1.24
<i>driven</i>							2			0	0	2	0.74	3.1
<i>told</i>					2					0	0	2	0.74	3.1
<i>advised</i>							1			0	0	1	0.37	1.55
<i>appointed</i>					1					0	0	1	0.37	1.55
<i>entitled</i>							1			0	0	1	0.37	1.55
<i>intended</i>							1			0	0	1	0.37	1.55
<i>privileged</i>							1			0	0	1	0.37	1.55
<i>required</i>							1			0	0	1	0.37	1.55
<i>supposed</i>							1			0	0	1	0.37	1.55
<b>TOTAL</b>										<b>55</b>	<b>17.29</b>	<b>79</b>	<b>29.04</b>	<b>8.9 **</b>
TYPE FREQUENCY										15		22		



Table A4. Irving Bacheller (1859–1950)

Publication year	1892	1900	1901	1903	1904	1911	1917	1922	Early career 1892–1904		Later career 1911–1922		Log-likelihood score for difference between early- career and later-career numbers
Novel title	<i>The Master of Silence</i>	<i>Eben Holden</i>	<i>D'ri and I</i>	<i>Darrel of the Blessed Isles</i>	<i>Vergilius</i>	<i>Keeping up with Lizzie</i>	<i>The Light in the Clearing</i>	<i>In the Days of Poor Richard</i>	n	n/100K	n	n/100K	
Subcorpus word number	29,981	89,045	66,165	70,407	41,577	21,161	91,703	101,025	297,175		213,889		
Construction type	n	n	n	n	n	n	n	n	n	n/100K	n	n/100K	numbers
<i>summoned</i>		1			2				3	1.01	0	0	3.25
<i>compelled</i>	2							6	2	0.67	6	2.81	3.62
<i>permitted</i>	1		1				1		2	0.67	1	0.47	0.09
<i>allowed</i>					1		2		1	0.34	4	1.87	3.05
<i>asked</i>					1	1	1	2	1	0.34	4	1.87	3.05
<i>bound</i>		1					1	3	1	0.34	4	1.87	3.05
<i>expected</i>	1						1	3	1	0.34	4	1.87	3.05
<i>invited</i>	1						1	2	1	0.34	3	1.4	1.81
<i>constrained</i>					1				1	0.34	0	0	1.08
<i>intended</i>						1	2	1	0	0	4	1.87	6.97 **
<i>made</i>								4	0	0	4	1.87	6.97 **
<i>ordered</i>								3	0	0	3	1.4	5.23 *
<i>forced</i>								2	0	0	2	0.94	3.48
<i>sent</i>								2	0	0	2	0.94	3.48
<i>authorised</i>								1	0	0	1	0.47	1.74
<i>condemned</i>								1	0	0	1	0.47	1.74
<i>empowered</i>								1	0	0	1	0.47	1.74
<i>entitled</i>								1	0	0	1	0.47	1.74
<i>forbidden</i>							1		0	0	1	0.47	1.74
<i>obliged</i>							1		0	0	1	0.47	1.74
<i>requested</i>						1			0	0	1	0.47	1.74
<i>solicited</i>							1		0	0	1	0.47	1.74
<i>told</i>								1	0	0	1	0.47	1.74
<b>TOTAL</b>									<b>13</b>	<b>4.37</b>	<b>50</b>	<b>23.38</b>	<b>37.06 ****</b>
TYPE FREQUENCY										9		21	







Table A8. Hall Caine (1853–1931)

Publication year	1885	1890	1897	1913	Early career 1885–1897		Later career 1913		Log-likelihood score for difference between early-career and later-career numbers
Novel title	<i>The Shadow of a Crime</i>	<i>The Scapegoat</i>	<i>The Christian</i>	<i>The Woman thou gavest me</i>					
Subcorpus word number	123,977	101,245	200,268	240,447	425,490		240,447		
Construction type	n	n	n	n	n	n/100K	n	n/100K	
<i>allowed</i>	1	8	10	9	19	4.47	9	3.74	0.19
<i>compelled</i>	2		8	10	10	2.35	10	4.16	1.61
<i>intended</i>	5		1	7	6	1.41	7	2.91	1.69
<i>condemned</i>	6				6	1.41	0	0	5.38 *
<i>permitted</i>	4	1		6	5	1.18	6	2.5	1.55
<i>made</i>	1	2	2	4	5	1.18	4	1.66	0.26
<i>bound</i>	1		3	6	4	0.94	6	2.5	2.35
<i>forced</i>		2	2	4	4	0.94	4	1.66	0.64
<i>required</i>		2	2		4	0.94	0	0	3.58
<i>expected</i>	1		2	2	3	0.71	2	0.83	0.03
<i>asked</i>	1		2	1	3	0.71	1	0.42	0.23
<i>forbidden</i>		1	1	2	2	0.47	2	0.83	0.32
<i>sent</i>	1	1		2	2	0.47	2	0.83	0.32
<i>driven</i>		2			2	0.47	0	0	1.79
<i>invited</i>			2		2	0.47	0	0	1.79
<i>entitled</i>		1		2	1	0.24	2	0.83	1.15
<i>told</i>	1			1	1	0.24	1	0.42	0.16
<i>constrained</i>		1			1	0.24	0	0	0.9
<i>ordered</i>	1				1	0.24	0	0	0.9
<i>supposed</i>				5	0	0	5	2.08	10.19 **
<i>called</i>				1	0	0	1	0.42	2.04
<i>summoned</i>				1	0	0	1	0.42	2.04
<b>TOTAL</b>					<b>81</b>	<b>19.04</b>	<b>63</b>	<b>26.2</b>	<b>3.55</b>
TYPE FREQUENCY						19		16	







Table A11. Francis Marion Crawford (1854–1909)

Publication																		Log-likelihood score for difference between early-career and later-career numbers
year	1882	1883	1884	1885	1885	1886	1887	1887	1889	1891	1891	1901	1903	Early career 1882–1887		Later career 1889–1903		
Novel title	<i>Mr. Isaacs</i>	<i>Doctor Claudius</i>	<i>A Roman Singer</i>	<i>The Children of the King</i>	<i>Zoroaster</i>	<i>A Tale of a Lonely Parish</i>	<i>Marzio's Crucifix</i>	<i>Saracinesca</i>	<i>Greifenstein</i>	<i>Don Orsino</i>	<i>The Witch of Prague</i>	<i>Marietta</i>	<i>The Heart of Rome</i>					
Subcorpus word number	82,513	101,791	96,604	61,120	77,310	107,246	57,522	154,520	153,533	151,630	135,647	117,155	99,632	738,626		657,597		
Construction type	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n/100K	n	n/100K	
<i>obliged</i>	1	12	11	3	2	14	5	16	23	24	5	14	12	64	8.66	78	11.86	3.49
<i>allowed</i>		1	1		4	3	4	9	5	4	4	12	4	22	2.98	29	4.41	1.95
<i>forced</i>	2	1	3		4	2	3	1	5	2	1	3	1	16	2.17	12	1.82	0.2
<i>bound</i>		4	2	1		5		4	4	2	1	2	2	16	2.17	11	1.67	0.44
<i>expected</i>		4	1			2		2	4	2	6	1	4	9	1.22	17	2.59	3.52
<i>made</i>		1			2	2	3		8	8	10	6	4	8	1.08	36	5.47	22.67****
<i>intended</i>			1		1	2		2	1	2	3		2	6	0.81	8	1.22	0.57
<i>impelled</i>		1				2	1	1	2	2	1	1	1	5	0.68	7	1.06	0.61
<i>told</i>			1	1		1		1			2	2	1	4	0.54	5	0.76	0.26
<i>driven</i>		1	2		1					4				4	0.54	4	0.61	0.03
<i>privileged</i>		1			1			1	1	1			1	3	0.41	3	0.46	0.02
<i>ordered</i>	2							1		1		1		3	0.41	2	0.3	0.1
<i>permitted</i>						1		2				1		3	0.41	1	0.15	0.83
<i>entitled</i>	1					1			2	1				2	0.27	3	0.46	0.33
<i>sent</i>							1	1	1				2	2	0.27	3	0.46	0.33
<i>supposed</i>		1						1	1				1	2	0.27	2	0.3	0.01
<i>directed</i>	1					1								2	0.27	0	0	2.55
<i>condemned</i>						1				1				1	0.14	1	0.15	0.01
<i>compelled</i>						1								1	0.14	0	0	1.27
<i>forbidden</i>								1						1	0.14	0	0	1.27
<i>instructed</i>	1													1	0.14	0	0	1.27
<i>pressed</i>						1								1	0.14	0	0	1.27
<i>requested</i>						1								1	0.14	0	0	1.27
<i>summoned</i>					1									1	0.14	0	0	1.27
<i>asked</i>										1			2	0	0	3	0.46	4.52*
<i>called</i>												1	1	0	0	2	0.3	3.01
<i>suffered</i>											1		1	0	0	2	0.3	3.01
<i>admitted</i>												1		0	0	1	0.15	1.51
<i>advised</i>											1			0	0	1	0.15	1.51
<i>commanded</i>												1		0	0	1	0.15	1.51
<i>invited</i>									1					0	0	1	0.15	1.51
TOTAL														178	24.1	233	35.43	15.16****
TYPE FREQUENCY														24		24		



Table A13. George Gissing (1857–1903)

Publication																									
year	1884	1886	1887	1888	1889	1890	1891	1892	1892	1893	1894	1895	1895	1897	1898	1899	1901	1901	1903	1905					
Novel title	<i>The Unclassed</i>	<i>Demos</i>	<i>Thyrza</i>	<i>A Life's Morning</i>	<i>The Nether World</i>	<i>The Emancipated</i>	<i>New Grub Street</i>	<i>Born in Exile</i>	<i>Denzil Quarrier</i>	<i>The Odd Woman</i>	<i>In the Year of Jubilee</i>	<i>Eve's Ransom</i>	<i>The Paying Guest</i>	<i>The Whirlpool</i>	<i>The Town Traveller</i>	<i>The Crown of Life</i>	<i>By the Sea</i>	<i>Our Friend the Charlatan</i>	<i>The Private Papers of Henry Ryecroft</i>	<i>Will Warburton</i>	Early career 1884–1894	Later career 1895–1905	Log-likelihood score for difference between early-career and later-career numbers		
word number	124,922	195,675	195,303	141,730	160,882	143,716	186,718	158,445	80,265	139,284	131,547	54,986	27,070	164,046	64,853	120,042	40,075	132,161	61,951	85,096	1,658,487	750,280			
Construction type	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
<i>obliged</i>	5	4	9	3	3	7	19	16	6	22	9	4	2	12	3	4	2	9		10	103	6.21	46	6.13	0.01
<i>allowed</i>	12	12	6	6	1	6	5	5	4	2	7	1		2	3	6	1	5		4	66	3.98	22	2.93	1.62
<i>expected</i>	3	3	6		4	2	3	2		1	1			4				2	1		25	1.51	7	0.93	1.37
<i>made</i>		3	7		3	3	4	3		1	1			1	1	1		1	2		25	1.51	6	0.8	2.2
<i>bound</i>	3		2	5		5	2		3	2	2	2		1		4		1			24	1.45	8	1.07	0.59
<i>compelled</i>	1	1	2	4	3	3		7		1				1		1	1		1		22	1.33	4	0.53	3.43
<i>constrained</i>		2	3		6	1	1	3		1	1							1			18	1.09	1	0.13	7.93 **
<i>invited</i>	1		1	2	1	3	5	2		1	1			2	1			1			17	1.03	5	0.67	0.77
<i>permitted</i>	1	1	1	1	2		2	2	1	1	2			1				1			14	0.84	2	0.27	3.06
<i>asked</i>	1	3	2	2			1	2	2					2	1		2	1	1		13	0.78	7	0.93	0.14
<i>driven</i>	1			2	2	3	3			1				2							12	0.72	2	0.27	2.14
<i>forced</i>				1		2	2	1	1	1	2										10	0.6	0	0	7.46 **
<i>intended</i>							2	3	1	1				1							7	0.42	1	0.13	1.53
<i>requested</i>				1	1		1			1	2			3					1		6	0.36	4	0.53	0.35
<i>forbidden</i>		1	1					1	2	1					1				1	1	6	0.36	2	0.27	0.15
<i>impelled</i>		1	3			1		1						1							6	0.36	1	0.13	1.07
<i>enabled</i>							2	2	1						1				1	2	5	0.3	4	0.53	0.7
<i>privileged</i>							2	1			2			1	1						5	0.3	2	0.27	0.02
<i>suffered</i>		1	1			1	2									1					5	0.3	2	0.27	0.02
<i>summoned</i>		1					1	2		1											5	0.3	1	0.13	0.66
<i>condemned</i>							3	1		1											5	0.3	0	0	3.73
<i>sent</i>					2			1							1	1					3	0.18	2	0.27	0.17
<i>advised</i>						2					1								1		3	0.18	1	0.13	0.07
<i>told</i>	1						1							3							2	0.12	3	0.4	1.76
<i>supposed</i>		1									1								1		2	0.12	1	0.13	0.01
<i>called</i>					1		1														2	0.12	0	0	1.49
<i>required</i>					2																2	0.12	0	0	1.49
<i>instructed</i>		1													1						1	0.06	1	0.13	0.31
<i>admitted</i>					1																1	0.06	0	0	0.75
<i>desired</i>				1																	1	0.06	0	0	0.75
<i>directed</i>						1															1	0.06	0	0	0.75
<i>sentenced</i>	1																				1	0.06	0	0	0.75
<i>solicited</i>				1																	1	0.06	0	0	0.75
<i>ordered</i>														1							0	0	1	0.13	2.33
<i>pressed</i>																				1	0	0	1	0.13	2.33
<b>TOTAL</b>							<b>419</b>	<b>25.26</b>													<b>137</b>	<b>18.26</b>	<b>137</b>	<b>18.26</b>	<b>11.47 ***</b>
<b>TYPE</b>																									
<b>FREQUENCY</b>																						33		26	

Table A14. Henry Rider Haggard (1856–1925)

Publication	1885	1887	1888	1889	1890	1891	1892	1893	1894	1896	1898	1898	1900	1901	1903	1904	1904	1905	1906	1907	1908	1908	1909	1910	1910					
year																														
Novel title	<i>King Solomon's Mines</i>	<i>She</i>	<i>Mr Meeson's Will</i>	<i>Cleopatra</i>	<i>Beatrice</i>	<i>Eric Brighteyes</i>	<i>Nada the Lily</i>	<i>Montezuma's Daughter</i>	<i>The People of the Mist</i>	<i>The Wizard</i>	<i>Doctor Thorne</i>	<i>Swallow</i>	<i>Black Heart and White Heart</i>	<i>Lysbeth</i>	<i>Pearl-Maiden</i>	<i>Stella Fregelius</i>	<i>The Brethren</i>	<i>Ayesha</i>	<i>Benita</i>	<i>Margeret Fair</i>	<i>The Ghost Kings</i>	<i>The Yellow God</i>	<i>The Lady of Blossholme</i>	<i>Morning Star</i>	<i>Queen Sheba's Ring</i>	Early career 1885–1896	Later career 1898–1910	Log-likelihood score for difference between early-career and later-career numbers		
Subcorpus																														
word number	82,423	113,137	67,617	102,931	112,327	108,189	117,377	151,275	146,115	60,806	47,898	107,090	21,744	157,597	133,886	99,754	128,538	117,119	77,937	105,168	122,599	92,507	95,177	85,399	102,011	1,062,197	1,494,424			
Construction type	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
<i>forced</i>	1	4	1	2	6		4	9	11	5	1	6	1	5	7	7	2	4	3	6	6	5	5	2	3	43	4.05	63	4.22	0.04
<i>allowed</i>	2		8	1			3	8	3	3	4	4	2	11	2	6	9	5	15	7	6	6	5	4	28	2.64	86	5.75	14.44 ***	
<i>obliged</i>	5	2	2		1		4	4	4	1	2	9	1	5	4	2	1	9	6	4	7	9	5	10	19	1.79	74	4.95	18.67 ****	
<i>sent bound</i>	5	7		3	1		4	5	2	4	1	3	2	7		1	4	1	3	6		1	1	3	18	1.69	33	2.21	0.84	
<i>made</i>				3	1	1	2		3		1	1	2	2	2	1					3	1		2	14	1.32	15	1	0.53	
<i>suffered</i>							1	6	1	1	2	1	3		1	2				1			2		9	0.85	12	0.8	0.01	
<i>commanded</i>				1	1		2	3		2		1	1	2	1	2	3			1			3	2	1	8	0.75	17	1.14	0.97
<i>told</i>		1	2	2	1														1	1			1	1	6	0.56	4	0.27	1.38	
<i>asked</i>		1		1			1			2	2		2	1	3	1	1			3			3		5	0.47	17	1.14	3.46	
<i>expected</i>		1			1		1	1			4		3		8								2		4	0.38	19	1.27	6.18 *	
<i>appointed</i>	1								2				1	2							2			1	3	0.28	6	0.4	0.26	
<i>entitled</i>			1		1		1			1			1												3	0.28	3	0.2	0.17	
<i>enabled</i>			1				2																1		3	0.28	1	0.07	1.85	
<i>ordered</i>	1						1					2				4				3	3		4		2	0.19	21	1.41	12.47 ****	
<i>condemned</i>							1			1		1				2	1						1		2	0.19	8	0.54	2.1	
<i>constrained</i>			1		1											1									2	0.19	1	0.07	0.77	
<i>invited</i>							1	1															1		2	0.19	1	0.07	0.77	
<i>summoned</i>							1				1			2		1	1				1	1		2	2	1	0.09	11	0.74	6.69
<i>driven</i>										1			1				1						1		1	0.09	3	0.2	0.48	
<i>requested</i>										1																1	0.09	3	0.2	0.48
<i>called</i>							1				1								1						1	0.09	2	0.13	0.09	
<i>admitted</i>				1							1														1	0.09	1	0.07	0.06	
<i>advised</i>							1																1		1	0.09	1	0.07	0.06	
<i>forbidden</i>										1			1												1	0.09	1	0.07	0.06	
<i>intended</i>			1												1										1	0.09	1	0.07	0.06	
<i>pressed</i>								1																	1	0.09	0	0	1.76	
<i>permitted</i>															2			3							0	0	5	0.33	5.37 *	
<i>supposed</i>													1					1	1	1	1				0	0	5	0.33	5.37 *	
<i>instructed</i>											1				1									1		0	0	3	0.2	3.22
<i>privileged</i>																				1		1				0	0	2	0.13	2.15
<i>desired</i>														1												0	0	1	0.07	1.07
<i>directed</i>																1										0	0	1	0.07	1.07
<i>sentenced</i>															1											0	0	1	0.07	1.07
<b>TOTAL</b>																										<b>190</b>	<b>17.89</b>	<b>434</b>	<b>29.04</b>	<b>32.8 ****</b>
TYPE																														
FREQUENCY																											27	33		









Table A18. George Augustus Moore (1852–1933)

Publication year	1885	1886	1887	1888	1888	1889	1894	1895	1898	1901	Early career 1885–1889		Later career 1894–1901		Log-likelihood score for difference between early- career and later-career numbers
Novel title	<i>A Mummer's Wife</i>	<i>Muslin</i>	<i>A Mere Accident</i>	<i>Confessions of a Young Man</i>	<i>Spring Days</i>	<i>Mike Fletcher</i>	<i>Esther Waters</i>	<i>Vain Fortune</i>	<i>Evelyn Innes</i>	<i>Sister Teresa</i>	n	n/100K	n	n/100K	
Subcorpus word number	142,687	94,086	47,695	59,560	99,088	91,214	111,341	57,834	178,537	114,640	534,330		462,352		
Construction type	n	n	n	n	n	n	n	n	n	n	n	n/100K	n	n/100K	umbers
<i>obliged</i>	14	7	5	3	16	4	6	4	10	3	49	9.17	23	4.97	6.22 *
<i>forced</i>	16	9		6	3	8	1	1	5	3	42	7.86	10	2.16	16.82 ****
<i>allowed</i>	7	10	3	2	6	4	5	3	8	11	32	5.99	27	5.84	0.01
<i>asked</i>	4	1		1	2	1	4		2	5	9	1.68	11	2.38	0.59
<i>bound</i>	1	1		1		2	2	3	2		5	0.94	7	1.51	0.69
<i>made</i>		3		1	1		4	1		2	5	0.94	7	1.51	0.69
<i>intended</i>	1		1	1	1	1	1		2	3	5	0.94	6	1.3	0.29
<i>permitted</i>		2	1			2			1		5	0.94	1	0.22	2.36
<i>forbidden</i>	1				1	2			1	1	4	0.75	2	0.43	0.42
<i>invited</i>	1			1	1	1			1	1	4	0.75	2	0.43	0.42
<i>supposed</i>	1	2				1					4	0.75	0	0	4.99 *
<i>told</i>	1	1			1		2	1	1		3	0.56	4	0.87	0.32
<i>sent</i>		1		1		1		2			3	0.56	2	0.43	0.08
<i>ordered</i>		2				1					3	0.56	0	0	3.74
<i>expected</i>				1	1		1	1			2	0.37	2	0.43	0.02
<i>called</i>		1	1						1		2	0.37	1	0.22	0.21
<i>enabled</i>		1		1							2	0.37	0	0	2.49
<i>compelled</i>		1							4		1	0.19	4	0.87	2.39
<i>impelled</i>						1		1	2		1	0.19	3	0.65	1.36
<i>commanded</i>	1										1	0.19	0	0	1.25
<i>constrained</i>						1					1	0.19	0	0	1.25
<i>pressed</i>						1					1	0.19	0	0	1.25
<i>requested</i>			1								1	0.19	0	0	1.25
<i>required</i>	1										1	0.19	0	0	1.25
<i>summoned</i>					1						1	0.19	0	0	1.25
<i>advised</i>									1		0	0	1	0.22	1.54
TOTAL											187	35	113	24.44	9.3
TYPE FREQUENCY											25		17		









Table A23. Stanley John Weyman (1855–1928)

Publication year	1890	1893	1894	1895	1898	1901	Early career 1890–1895		Later career 1898–1901		Log-likelihood score for difference between early-career and later-career numbers
Novel title	<i>The House of the Wolf</i>	<i>A Gentleman of France</i>	<i>Under the Red Robe</i>	<i>From the Memoirs of a Minister of France</i>	<i>The Castle Inn</i>	<i>Count Hannibal</i>	n	n/100K	n	n/100K	
Subcorpus word number	56,735	147,623	64,697	73,003	110,487	110,873	342,058		221,360		
Construction type	n	n	n	n	n	n	n	n/100K	n	n/100K	
<i>forced</i>		4	2	2	2	3	8	2.34	5	2.26	3.54
<i>allowed</i>	2			3	1		5	1.46	1	0.45	1.45
<i>driven</i>		4	1				5	1.46	0	0	4.99 *
<i>asked</i>	2	1	1		2		4	1.17	2	0.9	0.09
<i>obliged</i>		2		2		2	4	1.17	2	0.9	0.09
<i>bound</i>		3	1				4	1.17	0	0	3.99 *
<i>compelled</i>		2		1	1		3	0.88	1	0.45	0.36
<i>impelled</i>		2			1	1	2	0.58	2	0.9	0.19
<i>directed</i>		2					2	0.58	0	0	2
<i>reduced</i>		1		1			2	0.58	0	0	2
<i>required</i>		1	1				2	0.58	0	0	2
<i>privileged</i>			1		1	1	1	0.29	2	0.9	0.92
<i>permitted</i>			1			1	1	0.29	1	0.45	0.09
<i>admitted</i>				1			1	0.29	0	0	1
<i>appointed</i>	1						1	0.29	0	0	1
<i>enabled</i>		1					1	0.29	0	0	1
<i>expected</i>		1					1	0.29	0	0	1
<i>instructed</i>			1				1	0.29	0	0	1
<i>made</i>		1					1	0.29	0	0	1
<i>ordered</i>		1					1	0.29	0	0	1
<i>advised</i>						1	0	0	1	0.45	1.87
<i>forbidden</i>						1	0	0	1	0.45	1.87
<i>invited</i>						1	0	0	1	0.45	1.87
<i>sent</i>						1	0	0	1	0.45	1.87
<b>TOTAL</b>							<b>50</b>	<b>14.62</b>	<b>20</b>	<b>9.04</b>	<b>3.52</b>
TYPE FREQUENCY								20		12	






Table A25. Kate Douglas Wiggin (1856–1923)

Publication year	1893	1893	1896	1897	1898	1901	1902	1903	1907	1907	1909	1911	1914	1915					
	<i>Penelope's English Experiences</i>	<i>Polly Oliver's Problem</i>	<i>The Village Watchtower</i>	<i>Marm Lisa</i>	<i>Penelope's Experience in Scotland</i>	<i>Penelope's Irish Experiences</i>	<i>The Diary of a Goose Girl</i>	<i>Rebecca of Sunnybrook Farm</i>	<i>New Chronicles of Rebecca</i>	<i>The Old Pebody</i>	<i>Homespun Tales</i>	<i>Mother Carey's Chickens</i>	<i>A Summer in a Canyon</i>	<i>Penelope's Postscripts</i>	Early career 1893–1903	Later career 1907–1915		Log-likelihood score for difference between early-career and later-career numbers	
Novel title																			
Subcorpus word number	31,073	40,338	41,737	38,019	58,486	71,734	18,528	73,749	61,624	12,988	72,208	72,712	54,177	30,283	373,664	303,992			
Construction type	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n/100K	n	n/100K		
<i>obliged</i>	4	6	3	4	15	11		9	1	2	2	3	5	3	52	13.92	16	5.26	13.36***
<i>allowed</i>	1	2	1	2	2	4		3	4		2		5	2	15	4.01	13	4.28	0.03
<i>asked</i>		2	1					4	1			1	1		7	1.87	3	0.99	0.93
<i>compelled</i>		1			1	2		1			1		1		5	1.34	2	0.66	0.78
<i>forced</i>		2				1	2						1		5	1.34	1	0.33	2.15
<i>requested</i>					2			2				1			4	1.07	1	0.33	1.36
<i>bound</i>		2	1		1										4	1.07	0	0	4.76*
<i>required</i>	1		1			1			1				1	1	3	0.8	3	0.99	0.06
<i>permitted</i>	1	1						1				1			3	0.8	1	0.33	0.68
<i>intended</i>	1				1				3		1		3	1	2	0.54	8	2.63	5.2*
<i>enabled</i>					2					1	2				2	0.54	3	0.99	0.46
<i>made</i>					2							3			2	0.54	3	0.99	0.46
<i>suffered</i>			1	1										1	2	0.54	1	0.33	0.17
<i>supposed</i>				1		1							1		2	0.54	1	0.33	0.17
<i>expected</i>			1		1										2	0.54	0	0	2.38
<i>told</i>				1						1					1	0.27	1	0.33	0.02
<i>advised</i>				1											1	0.27	0	0	1.19
<i>constrained</i>					1										1	0.27	0	0	1.19
<i>ordered</i>					1										1	0.27	0	0	1.19
<i>privileged</i>								1							1	0.27	0	0	1.19
<i>sent</i>					1										1	0.27	0	0	1.19
<i>invited</i>												1	1	2	0	0	4	1.32	6.41*
<i>appointed</i>										1					0	0	1	0.33	1.6
<i>pressed</i>													1		0	0	1	0.33	1.6
TOTAL															116	31.04	63	20.72	6.9**
TYPE FREQUENCY															21				17

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