

# 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>					
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 *
<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 *
<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 ***
<i>authorised</i>				2		0	0	2	1.2	3.97 *
<i>directed</i>				1		0	0	1	0.6	1.99
TOTAL						111	39.13	68	40.74	0.07
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/100K	n	n/100K
<i>compelled</i>	6	4	3		1	2	3		13	4.09	6	2.21
<i>obliged</i>	7	2		1	4		1	2	9	2.83	8	2.94
<i>allowed</i>	4	1	3		11		3	3	8	2.51	17	6.25
<i>bound</i>	3	1	3	4	1	1	6	4	7	2.2	16	5.88
<i>permitted</i>	2	1					1	3	3	0.94	4	1.47
<i>made</i>	2		1			1	1		3	0.94	2	0.74
<i>expected</i>	1		1		1	2		1	2	0.63	4	1.47
<i>forced</i>		2		2		1			2	0.63	3	1.1
<i>authorised</i>		2			1				2	0.63	1	0.37
<i>asked</i>		1					1	3	1	0.31	4	1.47
<i>condemned</i>	1			1					1	0.31	1	0.37
<i>constrained</i>		1					1		1	0.31	1	0.37
<i>requested</i>	1			1					1	0.31	1	0.37
<i>commanded</i>	1								1	0.31	0	0
<i>enabled</i>	1								1	0.31	0	0
<i>driven</i>					2				0	0	2	0.74
<i>told</i>			2						0	0	2	0.74
<i>advised</i>						1			0	0	1	0.37
<i>appointed</i>			1						0	0	1	0.37
<i>entitled</i>						1			0	0	1	0.37
<i>intended</i>					1				0	0	1	0.37
<i>privileged</i>					1				0	0	1	0.37
<i>required</i>						1			0	0	1	0.37
<i>supposed</i>						1			0	0	1	0.37
TOTAL									55	17.29	79	29.04
TYPE FREQUENCY										15		22

**Table A3.** Gertrude Atherton (1857–1948)

**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>			
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	n/100K
summoned		1			2				3	0	3.25
compelled	2						6		2	2.81	3.62
permitted	1		1				1		2	0.47	0.09
allowed					1	2		2	1	1.87	3.05
asked					1	1	1		1	1.87	3.05
bound		1				1	3		1	1.87	3.05
expected	1					1	3		1	1.87	3.05
invited	1					1	2		1	1.4	1.81
constrained					1				1	0	1.08
intended					1	2	1		0	4	1.87
made							4		0	4	1.87
ordered							3		0	3	1.4
forced						2			0	2	0.94
sent						2			0	2	0.94
authorised						1			1	0.47	1.74
condemned						1			1	0.47	1.74
empowered						1			1	0.47	1.74
entitled						1			1	0.47	1.74
forbidden					1				0	1	0.47
obliged					1				0	1	1.74
requested					1				0	1	1.74
solicited						1			0	1	1.74
told						1			0	1	1.74
TOTAL								13	4.37	50	23.38
TYPE FREQUENCY								9		21	37.06 ***

**Table A5.** Robert Barr (1849–1912)

Publication year	1893	1894	1894	1896	1896	1899	1899	1899	1906	1910	Early career 1893–1899	Later career 1906–1910	Log-likelihood score for difference between early- career and later-career numbers
Novel title	From Whose Bourne	In the Midst of Alarms	The Face and the Mask	One Day's Courtship	Revenge!	A Woman Intervenes	Jennie Baxter, Journalist	The Strong Arm	A Rock in the Baltic	The Sword Maker	n	n/100K	
Subcorpus word number	29,685	77,778	71,057	36,273	81,258	97,796	68,536	96,185	60,729	112,032	558,568	172,761	
Construction type	n	n	n	n	n	n	n	n	n	n	n	n/100K	
compelled					4	3		6	2	7	12	12	21
allowed	1			3		3	5	6	6	10	14	33	5.91
expected					2	1	4	2	2			11	1.97
permitted		1	1			2		4	1	5		10	1.79
forced	1				2	1		3	1	1		9	1.61
asked					2	1	1	3		5		8	1.43
bound	1		2			2	1	1				7	1.25
supposed	2		1			1	1	1				6	1.07
sent					1	1	1	2	1	1		5	0.9
ordered	1				1		1	1	1	2		4	0.72
enabled							1	3		2		4	0.72
made					1	2			2			3	0.54
obliged		1			1	1		1		1		3	0.54
summoned							3					0	0
entitled					1		1	1	2			2	0.36
privileged					1	1			3			2	0.36
commanded							2		1			3	1.74
intended	1						1		1			2	0.36
told	1					1			1			2	0.36
sentenced					2							2	0.36
empowered							1		2			1	0.18
advised					1				1			1	0.18
instructed					1			1				1	0.18
called						1						1	0.18
authorised							2					0	0
forbidden								1				0	0
requested								1				1	0.58
required								1				0	0
TOTAL											156	27.93	99
TYPE												24	57.3
FREQUENCY												22	29.13 ***

**Table A6.** Lyman Frank Baum (1856–1919)

Publication year	1900	1901	1902	1903	1906	1906	1907	1908	1910	1911	1912	1912	1915	1916	1900	1901					
<i>The Surprising Adventures of the Aunt Jane's Aunt</i>																					
<i>The Wonderful Wizard of Oz and the Emerald City of Oz</i>																					
<i>The Wizard of Oz, Dorothy and the Scarecrow of Oz</i>																					
<i>The Wonderful Wizard of Oz, Louise and Mary Louise</i>																					
Novel title	The Wizard of Oz	The American Fairy Tales	The Monarch of Mo and his People	The Enchanted Island of Yew	Aunt Jane's Nieces	Dorothy Abroad	The Emerald City of Oz	Nieces John	The Nieces on Vacation	Jane's Island	The Sky	The Scarecrow of Oz	Mary Louise	The Wizard of Oz	American Fairy Tales	Early career 1900–1907	Later career 1908–1916				
Subcorpus word number	39,467	31,853	32,256	37,934	51,344	57,602	38,646	41,929	53,615	43,163	48,726	54,728	46,035	46,302	622,700	39,467	288,202	334,498	Log-likelihood score for difference between early-career and later-career numbers		
Construction type	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n/100K	n/n/100K		
obliged	3	6	11	6	1	9	6	3	8	8	1	11	5	3	3	6	42	14.57	39	11.66	1.01
allowed	1		1	4		7	3	1	1			5	1	1	1		16	5.55	9	2.69	3.17
forced	2		2	2	2	3			2	1	2	1	3	2			13	4.51	9	2.69	1.45
permitted	2	1		4	1	3	1	2	2	2		1	2	2	2	1	12	4.16	11	3.29	0.32
made	1		1			1	2	1		2	1	1		1			5	1.73	5	1.49	0.06
expected		2			1		1		1		1		1		2		4	1.39	4	1.2	0.04
asked			1		3							1					4	1.39	1	0.3	2.4
invited	1	1				1		1		1			1		1		3	1.04	3	0.9	0.03
told						3				2							3	1.04	2	0.6	0.38
entitled				1		1						1					2	0.69	1	0.3	0.51
compelled		1				1											2	0.69	0	0	3.08
ordered					1												1	0.35	4	1.2	1.51
requested	1						1	1						1			1	0.35	2	0.6	0.21
supposed					1			2									1	0.35	2	0.6	0.21
commanded					1					1							1	0.35	1	0.3	0.01
impelled						1			1								1	0.35	1	0.3	0.01
intended			1						1								1	0.35	1	0.3	0.01
sent				1								1					1	0.35	1	0.3	0.01
summoned				1						1							1	0.35	1	0.3	0.01
bound	1													1			1	0.35	0	0	1.54
driven		1								1							1	0.35	0	0	1.54
enabled				1													1	0.35	0	0	1.54
forbidden							1	1				1					0	0	3	0.9	3.73
admitted							1										0	0	1	0.3	1.24
appointed										1							0	0	1	0.3	1.24
condemned											1						0	0	1	0.3	1.24
dispatched												1					0	0	1	0.3	1.24
instructed													1				0	0	1	0.3	1.24
privileged									1								0	0	1	0.3	1.24
TOTAL TYPE																	40.6	106	31.69	3.42	40.6
FREQUENCY																	22		25		

**Table A7.** Frances Burnett (1849–1924)

Table A8. Hall Caine (1853–1931)

Publication year	1885	1890	1897	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>	Early career 1885–1897	Later career 1913	
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	4.47	9	3.74
<i>compelled</i>	2			8	10	2.35	10	4.16
<i>intended</i>	5			1	7	1.41	7	2.91
<i>condemned</i>	6				6	1.41	0	0
<i>permitted</i>	4		1		5	1.18	6	2.5
<i>made</i>	1		2	2	5	1.18	4	1.66
<i>bound</i>	1			3	6	0.94	6	2.5
<i>forced</i>			2	2	4	0.94	4	1.66
<i>required</i>		2		2		0.94	0	0
<i>expected</i>	1			2	2	0.71	2	0.83
<i>asked</i>	1			2	1	0.71	1	0.42
<i>forbidden</i>			1	1	2	0.47	2	0.83
<i>sent</i>	1		1		2	0.47	2	0.83
<i>driven</i>			2			0.47	0	0
<i>invited</i>				2		0.47	0	0
<i>entitled</i>			1		2	0.24	2	0.83
<i>told</i>	1				1	0.24	1	0.42
<i>constrained</i>			1			0.24	0	0
<i>ordered</i>	1					0.24	0	0
<i>supposed</i>				5	0	0	5	2.08
<i>called</i>					1	0	1	0.42
<i>summoned</i>					1	0	1	0.42
<b>TOTAL</b>					81	<b>19.04</b>	<b>63</b>	<b>26.2</b>
TYPE FREQUENCY						19		16

**Table A9.** Ralph Connor (1860–1937)

Publication year	1898	1899	1901	1902	1904	1906	1909	1912	1913	1917	1921	Early career 1898–1906	Later career 1909–1921	Log-likelihood score for difference between early-career and later-career numbers		
Novel title	Black Rock	The Sky Pilot	The Man from Glengarry	Glengarry Schooldays	The Prospector	The Doctor	The Foreigner	Corporal Cameron of the North West Mounted Police	The Patrol of the Sundance Trail	The Major	To Him that Hath					
Subcorpus word number	56,424	44,835	117,785	59,958	95,711	95,979	86,416	124,859	94,139	118,678	80,056	470,692	504,148			
Construction type	n	n	n	n	n	n	n	n	n	n	n	n	n	n/100K		
forced	2	3	5	4	5	4	1	8	5	2	4	23	4.89	20	3.97	0.47
allowed		1	6	5	2	4	1	4	1	3	2	18	3.82	11	2.18	2.22
bound	1		2		2	1	1	2		4	4	6	1.27	11	2.18	1.17
expected	2		2		2		2	2	2	1		6	1.27	7	1.39	0.02
supposed		4	1						1		1	5	1.06	2	0.4	1.54
asked	1		2	1		1	1					5	1.06	1	0.2	3.19
made		2	1	1			2		2		2	4	0.85	6	1.19	0.28
invited	2		1		1	2				1		4	0.85	3	0.6	0.22
instructed		1		2	1	1					1	4	0.85	2	0.4	0.82
permitted	1			1	2		1					4	0.85	1	0.2	2.14
called				2	1	1	1					3	0.64	2	0.4	0.28
appointed	1				1				1		2	2	0.42	3	0.6	0.14
summoned	2											2	0.42	0	0	2.91
privileged	1					1						1	0.21	1	0.2	0
told						1				1		1	0.21	1	0.2	0
commanded	1											1	0.21	0	0	1.46
driven		1										1	0.21	0	0	1.46
forbidden				1								1	0.21	0	0	1.46
compelled					2					2		0	0	4	0.79	5.28 *
constrained					1				1		1					
ordered						1										
TOTAL TYPE												91	19.33	79	15.67	1.87
FREQUENCY												18		17		

**Table A10.** Marie Corelli (1855–1924)

**Table A11.** Francis Marion Crawford (1854–1909)

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

Table A12. Arthur Conan Doyle (1859–1930)

Publication year	1888	1889	1889	1890	1890	1891	1892	1892	1892	1893	1893	1894	1895	1896	1897	1906	1912	1913			
Novel title	A Study in Scarlet	The Mystery of Micah Clarke	The Captain of the Cloomber	The Firm of the Polestar	The White Girdlestone	Beyond the Company	The Adventures of Holmes	The Doing Haw	The Memoirs of Raffles	The Adventures of Stark	The Red Lamp	The Munro Letters	The Rodney Stone	The Uncle Burnac	The Sir Nigel	The Lost World	The Poison Belt	Early career 1888–1897	Later career 1906–1913		
Subcorpus word number	43,542	178,167	48,880	84,491	137,297	150,866	39,536	104,605	38,035	87,748	123,033	68,357	77,737	91,194	57,675	130,620	75,895	29,309	1,331,163	235,824	
Construction type	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n / 100K	n / 100K		
compelled	6	5	7	3	1		5	6	1	2	4	2				42	3.16	4	1.7	1.67	
forced	9	2	2	3	1		5	4	3	3	1	1				34	2.55	1	0.42	5.8 *	
allowed	8	2	1	3		2	3	1	1	1		1	1	1	4		24	1.8	5	2.12	0.1
bound	2	1	1	1			2	2	1	9	1		1	1	6		22	1.65	7	2.97	1.64
asked	2			1			3			2		1					8	0.6	1	0.42	0.12
permitted	2			1				2	2		1						8	0.6	0	0	2.61
obliged		2	2			2						1					7	0.53	0	0	2.28
ordered	2			2					1		1		1	1			6	0.45	2	0.85	0.54
enabled	2	1	2				1							1			5	0.38	1	0.42	0.01
expected	2		2					1					1				5	0.38	1	0.42	0.01
made	1		2					1						3			4	0.3	3	1.27	3.11
required	1								1	1	1						4	0.3	0	0	1.3
supposed			3								1						4	0.3	0	0	1.3
told							3			1							4	0.3	0	0	1.3
driven	1				1			1									3	0.23	0	0	0.98
sent	2			1													3	0.23	0	0	0.98
suffered	1		1		1												3	0.23	0	0	0.98
privileged	1											1		1			2	0.15	1	0.42	0.62
summoned			1				1						1				2	0.15	1	0.42	0.62
intended	2								1								2	0.15	0	0	0.65
condemned									1					1			1	0.08	1	0.42	1.34
forbidden									1				1				1	0.08	1	0.42	1.34
invited				1										1			1	0.08	1	0.42	1.34
advised	1																1	0.08	0	0	0.33
requested											1						1	0.08	0	0	0.33
impelled														2			0	0	2	0.85	7.58 **
empowered													1				0	0	1	0.42	3.79
TOTAL TYPE FREQUENCY																197	14.8	33	13.99	0.09	
																25		16			

Log-likelihood score for difference between early-career and later-career numbers

**Table A13.** George Gissing (1857–1903)

Publication year	1884	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1895	1897	1898	1899	1901	1901	1903	1905	The Private Papers	Early career	Later career	Log-likelihood score for difference between early-career and later-career numbers		
Novel title	The Unclassed	Demos	Thyrsa	A Life's Morning	Nether World	The Emancipated	New Grub Street	Born in Exile	Denzil Quarrier	In the Odd Woman	Year of Jubilee	Eve's Ransom	The Paying Guest	The Whirlpool	The Town Traveller	The Crown of Life	By the Ionian Sea	Our Friend the Charlatan	of Henry Ryecroft	Will Warburton	1884–1894	1895–1905			
Subcorpus 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/100K	n	n/100K
obliged	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	
allowed	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		
expected	3	3	6		4	2	3	2		1	1						2	1		25	1.51	7	0.93	1.37	
made	3		7		3	3	4	3		1	1						1	2		25	1.51	6	0.8	2.2	
bound	3		2	5		5	2		3	2	2		2		1	4		1			24	1.45	8	1.07	0.59
compelled	1	1	2	4	3	3		7		1				1		1	1		1		22	1.33	4	0.53	3.43
constrained	2	3		6	1	1	3		1	1								1			18	1.09	1	0.13	7.93 **
invited	1		1	2	1	3	5	2		1	1		2	1		1		1	1	17	1.03	5	0.67	0.77	
permitted	1	1	1	1	2		2	2	1	1	2				1		1		1	14	0.84	2	0.27	3.06	
asked	1	3	2	2			1	2	2				2	1		2	1	1		13	0.78	7	0.93	0.14	
driven	1			2	2	3	3			1			2							12	0.72	2	0.27	2.14	
forced			1		2	2	2	1	1	1	2									10	0.6	0	0	7.46 **	
intended							2	3	1		1									7	0.42	1	0.13	1.53	
requested			1	1			1			1	2		3					1		6	0.36	4	0.53	0.35	
forbidden	1	1					1	2	1								1	1	1	6	0.36	2	0.27	0.15	
impelled	1	3			1		1					1						1	2	6	0.36	1	0.13	1.07	
enabled						2	2	1						1			1	2	5	0.3	4	0.53	0.7		
privileged						2	1		2		1		1	1				1	5	0.3	2	0.27	0.02		
suffered	1	1			1	2									1			1	5	0.3	2	0.27	0.02		
summoned	1					1	2			1							1		5	0.3	1	0.13	0.66		
condemned						3	1			1									5	0.3	0	0	3.73		
sent		2				1													3	0.18	2	0.27	0.17		
advised				2					1									1	3	0.18	1	0.13	0.07		
told	1					1				1			3						2	0.12	3	0.4	1.76		
supposed	1								1								1		2	0.12	1	0.13	0.01		
called				1		1													2	0.12	0	0	1.49		
required				2															2	0.12	0	0	1.49		
instructed	1													1					1	0.06	1	0.13	0.31		
admitted						1													1	0.06	0	0	0.75		
desired		1																	1	0.06	0	0	0.75		
directed					1														1	0.06	0	0	0.75		
sentenced	1														1				1	0.06	0	0	0.75		
solicited					1														1	0.06	0	0	0.75		
ordered															1				0	0	1	0.13	2.33		
pressed																1			0	0	1	0.13	2.33		
TOTAL TYPE																			419	25.26	137	18.26	11.47 ***		
FREQUENCY																			33		26				

Table A14. Henry Rider Haggard (1856–1925)

Publication year	1885	1887	1888	1889	1890	1891	1892	1893	1894	1896	1898	1899	1900	1901	1903	1904	1904	1905	1906	1907	1908	1908	1909	1910	1910	Log-likelihood score for difference			
Novel title	King Solomon's Mines	King Solomon's She	Mr Meeson's Will	Cleopatra	Eric Brighteyes	Nada the Lily	Montezuma's Daughter	Mist	The Wizard	Doctor Therne	Swallow Heart	Lysbeth	Pearl-Maiden	Stella Fregelius	The Brethren	Ayesha	Benita	Fair Margaret	The Ghost Kings	The Yellow God	The Lady of Blossholme	Morning Star	Queen Sheba's Ring	Early career 1885–1896	Later career 1898–1910	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	and later-career numbers	
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	100K	n	100K		
forced	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
allowed	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 ***	
obliged	5	2	2		1		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 ***
sent				3		4	5	2	4	1	3	2	7	1	4	1	3	6		1	1	3	18	1.69	33	2.21	0.84		
bound	5	7		1				1	1			3	3	2				1		2	1		2	14	1.32	15	1	0.53	
made			3	1	1	2		3			1	2	2	2	1				3	1				10	0.94	12	0.8	0.14	
suffered					1	6	1	1		2	1	3		1	2			1						9	0.85	12	0.8	0.01	
commanded			1				2	3		2	1	1	2	3			1		3	2	1	8	0.75	17	1.14	0.97			
told	1	2	2	1														1	1				1	6	0.56	4	0.27	1.38	
asked	1		1				1		2	2		2	1	3	1	1		3			1		1	5	0.47	17	1.14	3.46	
expected	1		1		1	1			4			3		8					2			2	4	0.38	19	1.27	6.18 *		
appointed	1							2				1	2						2			1	3	0.28	6	0.4	0.26		
entitled		1	1			1			1			1										3	0.28	3	0.2	0.17			
enabled	1					2													1			3	0.28	1	0.07	1.85			
ordered	1				1				2			5		4			3	3	4			2	0.19	21	1.41	12.47 ***			
condemned						1		1		1		2		1				1			1	2	0.19	8	0.54	2.1			
constrained	1		1										1								2	0.19	1	0.07	0.77				
invited				1	1														1			2	0.19	1	0.07	0.77			
summoned				1						1		2		1	1		1	1		2	2	1	0.09	11	0.74	6.69			
driven									1		1									1		1	0.09	3	0.2	0.48			
requested									1											3	1	0.09	3	0.2	0.48				
called				1					1									1			1	0.09	2	0.13	0.09				
admitted	1								1											1	1	0.09	1	0.07	0.06				
advised						1													1			1	0.09	1	0.07	0.06			
forbidden									1										1	1	0.09	1	0.07	0.06					
intended	1											1								1	1	0.09	1	0.07	0.06				
pressed							1						2			3	1	1	1	1			1	0.09	0	0	1.76		
permitted													1								0	0	5	0.33	5.37 *				
supposed																				0	0	5	0.33	5.37 *					
instructed									1				1							1		0	0	3	0.2	3.22			
privileged																			1	1	0	0	2	0.13	2.15				
desired													1							1	1	0	0	1	0.07	1.07			
directed														1						0	0	1	0.07	1.07					
sentenced														1						0	0	1	0.07	1.07					
TOTAL																				190	17.89	434	29.04	32.8 ***					
TYPE FREQUENCY																					27		33						

**Table A15.** Emerson Hough (1857–1923)

Publication year	1900	1902	1904	1905	1907	1909	1910	1918	1922	Early career 1900–1907	Later career 1909–1922	Log-likelihood score for difference between early- career and later-career numbers
Novel title	<i>The Girl at the Halfway House</i>	<i>The Mississippi Bubble</i>	<i>The Law of the Land</i>	<i>Heart's Desire</i>	<i>The Way of a Man</i>	<i>54–40 or Fight!</i>	<i>The Purchase Price</i>	<i>The Passing of the Frontier</i>	<i>The Covered Wagon</i>			
Subcorpus word number	84,402	93,703	88,187	85,752	97,638	89,517	89,191	35,781	87,144	449,682	301,633	
Construction type	n	n	n	n	n	n	n	n	n	n	n/100K	n
<i>obliged</i>		4	3	5	9	4	9	5	6	21	4.67	24
<i>asked</i>	4	3	2	1		1	3	3		10	2.22	7
<i>forced</i>	2		3	1	3	4	3	1		9	2	8
<i>allowed</i>		4		2		2		3	3	6	1.33	8
<i>entitled</i>	1		3	1						5	1.11	0
<i>bound</i>	2			1		1				3	0.67	1
<i>condemned</i>		1			1	1				2	0.44	1
<i>compelled</i>		1					2			1	0.22	2
<i>ordered</i>			1					1		1	0.22	1
<i>constrained</i>	1									1	0.22	0
<i>expected</i>				1						1	0.22	0
<i>invited</i>			1							1	0.22	0
<i>supposed</i>				1						1	0.22	0
<i>required</i>							1	2		0	0	3
<i>empowered</i>					2					0	0	2
<i>privileged</i>					2					0	0	2
<i>appointed</i>						1				0	0	1
<i>authorised</i>										0	0	1
<i>called</i>				1						0	0	1
<i>commanded</i>					1					0	0	1
<i>permitted</i>					1					0	0	1
<i>told</i>					1					0	0	1
TOTAL										62	13.79	65
TYPE											21.55	6.3 **
FREQUENCY										13		17

**Table A16.** Jerome K. Jerome (1859–1927)

**Table A17.** Henry Seton Merriman (1862–1903)

Table A18. George Augustus Moore (1852–1933)

Publication year	1885	1886	1887	1888	1888	1889	1894	1895	1898	1901				
Novel title	<i>A Mummer's Wife</i>	<i>A Mere Muslin</i>	<i>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>	Early career 1885–1889		Later career 1894–1901	Log-likelihood score for difference between early-career and later-career numbers
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
<i>obliged</i>	14	7	5	3	16	4	6	4	10	3	49	9.17	23	4.97
<i>forced</i>	16	9		6	3	8	1	1	5	3	42	7.86	10	2.16
<i>allowed</i>	7	10	3	2	6	4	5	3	8	11	32	5.99	27	5.84
<i>asked</i>	4	1		1	2	1	4		2	5	9	1.68	11	2.38
<i>bound</i>	1	1		1		2	2	3	2		5	0.94	7	1.51
<i>made</i>	3			1		4	1		2		5	0.94	7	1.51
<i>intended</i>	1		1	1	1	1		2	3		5	0.94	6	1.3
<i>permitted</i>	2	1				2		1			5	0.94	1	0.22
<i>forbidden</i>	1				1	2		1	1		4	0.75	2	0.43
<i>invited</i>	1			1	1	1		1	1		4	0.75	2	0.43
<i>supposed</i>	1	2				1					4	0.75	0	0
<i>told</i>	1	1			1		2	1	1		3	0.56	4	0.87
<i>sent</i>	1		1			1		2			3	0.56	2	0.43
<i>ordered</i>	2					1					3	0.56	0	0
<i>expected</i>				1	1		1	1			2	0.37	2	0.43
<i>called</i>	1	1						1			2	0.37	1	0.22
<i>enabled</i>	1		1								2	0.37	0	0
<i>compelled</i>	1							4			1	0.19	4	0.87
<i>impelled</i>					1		1	2			1	0.19	3	0.65
<i>commanded</i>	1										1	0.19	0	0
<i>constrained</i>						1					1	0.19	0	0
<i>pressed</i>						1					1	0.19	0	0
<i>requested</i>		1									1	0.19	0	0
<i>required</i>	1				1						1	0.19	0	0
<i>summoned</i>							1				1	0.19	0	0
<i>advised</i>								1			0	0	1	0.22
TOTAL											187	35	113	24.44
TYPE FREQUENCY											25		17	

**Table A19.** Edith Nesbit (1858–1924)

Table A20. Gilbert Parker (1862–1932)

Publication year	1893	1893	1893	1895	1896	1896	1897	1898	1900	1901	1907	1909	1913	1918	1918	1921				
Novel title	<i>The Trail</i>	<i>When Valmond Came to the Pontiac</i>	<i>The Pomp of Lavilettes</i>	<i>The Seats of the Mighty</i>	<i>The Translation of a Savage</i>	<i>The Battle Strong</i>	<i>An Liar</i>	<i>The Unpardonable</i>	<i>The Right of Way</i>	<i>The Weavers</i>	<i>Northern Lights</i>	<i>The Judgment House</i>	<i>The World for Sale</i>	<i>Wild Youth</i>	<i>No Defence</i>	Early career 1893–1901				
Subcorpus word number	91,687	55,718	61,101	50,780	38,289	127,007	50,647	125,433	22,032	119,275	160,183	112,578	149,003	103,899	46,642	84,081	741,969	656,386	Log-likelihood score for difference between early-career and later-career numbers	
Construction type	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n/100K	n/n/100K		
<i>obliged</i>	3	1	1	1	1			1		2		1	2	1	1	8	1.08	7	1.07	0
<i>allowed</i>				1	1	2			1	1	2	2			6	0.81	6	0.91	0.05	
<i>compelled</i>									6		1			1		6	0.81	2	0.3	1.63
<i>asked</i>	3	1							1	1	1	1		1		5	0.67	4	0.61	0.02
<i>bound</i>	2	2	1								1			3		5	0.67	4	0.61	0.02
<i>forced</i>		1					3			1	1		2	1		4	0.54	5	0.76	0.27
<i>expected</i>	1	1	1			1				1		1				4	0.54	2	0.3	0.46
<i>constrained</i>		1	1		1		1									4	0.54	0	0	5.07 *
<i>permitted</i>					1	1			1	2	1			2	1	3	0.4	6	0.91	1.42
<i>impelled</i>	1	1	1									1				3	0.4	1	0.15	0.82
<i>made</i>				1	1					1		3			1	2	0.27	5	0.76	1.72
<i>forbidden</i>		1				1						1	3			2	0.27	4	0.61	0.95
<i>ordered</i>					1		1						1			2	0.27	1	0.15	0.23
<i>requested</i>	1						1						1			2	0.27	1	0.15	0.23
<i>condemned</i>		1				1										2	0.27	0	0	2.53
<i>called</i>	1												1	2		1	0.13	3	0.46	1.31
<i>entitled</i>		1							2		1					1	0.13	3	0.46	1.31
<i>summoned</i>						1							1			1	0.13	1	0.15	0.01
<i>supposed</i>			1										1			1	0.13	1	0.15	0.01
<i>intended</i>							1						1			1	0.13	0	0	1.27
<i>ordained</i>	1							1								1	0.13	0	0	1.27
<i>privileged</i>								1								1	0.13	0	0	1.27
<i>told</i>									2		2					0	0	4	0.61	6.05 *
<i>sent</i>								1	1							0	0	2	0.3	3.03
<i>advised</i>													1			0	0	1	0.15	1.51
<i>appointed</i>									1				1			0	0	1	0.15	1.51
<i>commanded</i>													1			0	0	1	0.15	1.51
<i>driven</i>										1						0	0	1	0.15	1.51
TOTAL TYPE																65	8.76	66	10.06	0.62
FREQUENCY																22		23		

**Table A21.** Robert Louis Stevenson (1850–1894)

Table A22. Humphry Ward (pseudonym of Mary Augusta Ward, 1851–1920)

Publication year	1881	1884	1888	1894	1896	1898	1900	1903	1905	1906	1908	1911	1913	1913	1914	1915	1916			
Novel title	Milly and Ollie	Miss Bretherton	Robert Elsmere	Sir George Marcella	Helbeck of Tressady	Eleanor Bannisdale	Lady Rose's Daughter	William Ashe	Fenwick's Career	The Marriage of Diana Mallory	The Testing of Richard Meynell	The Case of Coryston Family	The Mating of Lydia	A Delia Blanchflower	Great Success	Lady Connie	Early career 1881–1898	Later career 1900–1916	Log-likelihood score for difference between early-career and later-career numbers	
Subcorpus word number	47,903	57,324	287,990	249,403	171,363	137,055	148,209	130,140	144,694	97,019	151,078	154,219	86,478	132,682	109,089	32,605	115,572	951,038	1,301,785	
Construction type	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n/100K	n/n/100K		
allowed	1	1	14	6	5	11	8	2	9	5	4	10	8	10	6	1	4	38	4	
bound	2	10	5	3	2	1			2	2	6	1	3	7	1	1	22	2.31	24	1.84
made	1	6	3	3	5		5	1	2		3	1	2	4		1	18	1.89	19	1.46
forced	1	4	5	3	4	1	1	2	2	1	2	1	3	3	2	2	18	1.89	17	1.31
obliged	1	5	4	7	1	2	1	2	2	3	2		2	2	1	18	1.89	17	1.31	
expected	1	1	4	5	3	4	1	2	1		2	1	2	1		1	18	1.89	13	1
asked	3	3	3	3	1				1	1	2	4	1	4		1	12	1.26	15	1.15
sent	1	4							1				1				5	0.53	2	0.15
intended	1	1	1	1		1				1			1		1	2	4	0.42	6	0.46
told	1	1	1	1	1					2		1					4	0.42	4	0.31
driven	1		2			1	1	1									3	0.32	3	0.23
called	2	1															3	0.32	0	0
invited	1		1				1	1		2		1	1				2	0.21	6	0.46
constrained	2																2	0.21	0	0
empowered		2															2	0.21	0	0
supposed	1							1		1	2	1		1		2	1	0.11	8	0.61
compelled	1									2	1	1		1		1	1	0.11	4	0.31
entitled		1								2		1			1	1	1	0.11	4	0.31
forbidden	1				1				1		1						1	0.11	3	0.23
summoned				1	1						1						1	0.11	2	0.15
condemned		1															1	0.11	0	0
impelled	1																1	0.11	0	0
ordered			1														1	0.11	0	0
permitted						1		1		1							0	0	2	0.15
admitted											1						0	0	1	0.08
directed															1		0	0	1	0.08
enabled											1						0	0	1	0.08
instructed											1						0	0	1	0.08
reduced															1		0	0	1	0.08
TOTAL TYPE FREQUENCY																177	18.61	221	16.98	0.83
																23		23		

**Table A23.** Stanley John Weyman (1855–1928)

Publication year	1890	1893	1894	1895	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>	Early career 1890–1895	Later career 1898–1901		
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>							50	<b>14.62</b>	<b>20 9.04</b>	<b>3.52</b>
<b>TYPE FREQUENCY</b>							20		12	

**Table A24.** Edith Wharton (1862–1937)

**Table A25.** Kate Douglas Wiggin (1856–1923)

Publication year	1893	1893	1896	1897	1898	1901	1902	1903	1907	1907	1909	1911	1914	1915	A	Early career 1893–1903	Later career 1907–1915	Log-likelihood score for difference between early-career and later-career numbers	
Novel title	<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>Diary of Girl</i>	<i>Rebecca of Farm</i>	<i>New Sunnybrook of Rebecca</i>	<i>The Old Pew</i>	<i>Homespun Tales</i>	<i>Mother Carey's Chickens</i>	<i>Summer in a Canyon</i>	<i>Penelope's Postscripts</i>					
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	
<i>allowed</i>	1	2	1	2	2	4		3	4	2		5	2		15	4.01	13	4.28	
<i>asked</i>	2	1						4	1			1	1		7	1.87	3	0.99	
<i>compelled</i>	1			1	2			1			1		1		5	1.34	2	0.66	
<i>forced</i>	2				1	2						1			5	1.34	1	0.33	
<i>requested</i>					2			2				1			4	1.07	1	0.33	
<i>bound</i>	2	1		1											4	1.07	0	0	
<i>required</i>	1					1			1						3	0.8	3	0.99	
<i>permitted</i>	1	1						1				1			3	0.8	1	0.33	
<i>intended</i>	1			1					3		1		3	1		2	0.54	8	2.63
<i>enabled</i>				2						1	2				2	0.54	3	0.99	
<i>made</i>			2									3			2	0.54	3	0.99	
<i>suffered</i>	1	1											1		2	0.54	1	0.33	
<i>supposed</i>		1		1									1		2	0.54	1	0.33	
<i>expected</i>	1		1												2	0.54	0	0	
<i>told</i>		1							1						1	0.27	1	0.33	
<i>advised</i>		1													1	0.27	0	0	
<i>constrained</i>			1												1	0.27	0	0	
<i>ordered</i>			1												1	0.27	0	0	
<i>privileged</i>				1											1	0.27	0	0	
<i>sent</i>			1												1	0.27	0	0	
<i>invited</i>										1	1	2			0	0	4	1.32	
<i>appointed</i>										1					0	0	1	0.33	
<i>pressed</i>												1			0	0	1	0.33	
TOTAL TYPE FREQUENCY															116	31.04	63	20.72	
															21		17		

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