## Andrew Heathcote

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The simplest complete model of choice response time: Linear ballistic accumulation. Cognitive Psychology, 2008, 57, 153-178.	0.9	835
2	The power law repealed: The case for an exponential law of practice. Psychonomic Bulletin and Review, 2000, 7, 185-207.	1.4	537
3	A consensus guide to capturing the ability to inhibit actions and impulsive behaviors in the stop-signal task. ELife, 2019, 8, .	2.8	479
4	Analysis of response time distributions: An example using the Stroop task Psychological Bulletin, 1991, 109, 340-347.	5.5	421
5	Quantile maximum likelihood estimation of response time distributions. Psychonomic Bulletin and Review, 2002, 9, 394-401.	1.4	192
6	Not Just for Consumers. Psychological Science, 2013, 24, 901-908.	1.8	184
7	The multiattribute linear ballistic accumulator model of context effects in multialternative choice Psychological Review, 2014, 121, 179-205.	2.7	181
8	A Ballistic Model of Choice Response Time Psychological Review, 2005, 112, 117-128.	2.7	178
9	When the Brain Takes a Break: A Model-Based Analysis of Mind Wandering. Journal of Neuroscience, 2014, 34, 16286-16295.	1.7	159
10	The form of the forgetting curve and the fate of memories. Journal of Mathematical Psychology, 2011, 55, 25-35.	1.0	156
11	The hare and the tortoise: Emphasizing speed can change the evidence used to make decisions Journal of Experimental Psychology: Learning Memory and Cognition, 2014, 40, 1226-1243.	0.7	139
12	Fitting distributions using maximum likelihood: Methods and packages. Behavior Research Methods, 2004, 36, 742-756.	1.3	129
13	Diffusion versus linear ballistic accumulation: different models but the same conclusions about psychological processes?. Psychonomic Bulletin and Review, 2011, 18, 61-69.	1.4	127
14	QMPE: Estimating Lognormal, Wald, and Weibull RT distributions with a parameter-dependent lower bound. Behavior Research Methods, 2004, 36, 277-290.	1.3	122
15	Advance preparation in task-switching: converging evidence from behavioral, brain activation, and model-based approaches. Frontiers in Psychology, 2010, 1, 25.	1.1	118
16	Item Recognition Memory and the Receiver Operating Characteristic Journal of Experimental Psychology: Learning Memory and Cognition, 2003, 29, 1210-1230.	0.7	108
17	The overconstraint of response time models: Rethinking the scaling problem. Psychonomic Bulletin and Review, 2009, 16, 1129-1135.	1.4	108
18	Anticipatory reconfiguration elicited by fully and partially informative cues that validly predict a switch in task. Cognitive, Affective and Behavioral Neuroscience, 2009, 9, 202-215.	1.0	105

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19	A Bayesian approach for estimating the probability of trigger failures in the stop-signal paradigm. Behavior Research Methods, 2017, 49, 267-281.	2.3	102
20	Dynamic models of choice. Behavior Research Methods, 2019, 51, 961-985.	2.3	99
21	Electrophysiological correlates of anticipatory task-switching processes. Psychophysiology, 2005, 42, 050826083856001-???.	1.2	98
22	Sequence effects support the conflict theory of N2 and P3 in the Go/NoGo task. International Journal of Psychophysiology, 2010, 75, 217-226.	0.5	97
23	The Quality of Response Time Data Inference: A Blinded, Collaborative Assessment of the Validity of Cognitive Models. Psychonomic Bulletin and Review, 2019, 26, 1051-1069.	1.4	95
24	Slow down and remember to remember! A delay theory of prospective memory costs Psychological Review, 2015, 122, 376-410.	2.7	92
25	Distinguishing common and task-specific processes in word identification: A matter of some moment?. Journal of Experimental Psychology: Learning Memory and Cognition, 2001, 27, 514-544.	0.7	91
26	Do junior doctors feel they are prepared for hospital practice? A study of graduates from traditional and non-traditional medical schools. Medical Education, 1998, 32, 19-24.	1.1	90
27	Adjustments of Response Threshold during Task Switching: A Model-Based Functional Magnetic Resonance Imaging Study. Journal of Neuroscience, 2011, 31, 14688-14692.	1.7	88
28	Averaging learning curves across and within participants. Behavior Research Methods, 2003, 35, 11-21.	1.3	85
29	Drawing conclusions from choice response time models: A tutorial using the linear ballistic accumulator. Journal of Mathematical Psychology, 2011, 55, 140-151.	1.0	82
30	RTSYS: A DOS application for the analysis of reaction time data. Behavior Research Methods, 1996, 28, 427-445.	1.3	80
31	An integrated model of choices and response times in absolute identification Psychological Review, 2008, 115, 396-425.	2.7	78
32	Variability in Proactive and Reactive Cognitive Control Processes Across the Adult Lifespan. Frontiers in Psychology, 2011, 2, 318.	1.1	77
33	Switchâ€specific and general preparation map onto different ERP components in a taskâ€switching paradigm. Psychophysiology, 2011, 48, 559-568.	1.2	77
34	Failures of cognitive control or attention? The case of stop-signal deficits in schizophrenia. Attention, Perception, and Psychophysics, 2017, 79, 1078-1086.	0.7	68
35	Getting more from accuracy and response time data: Methods for fitting the linear ballistic accumulator. Behavior Research Methods, 2009, 41, 1095-1110.	2.3	67
36	Fitting Wald and ex-Wald distributions to response time data: An example using functions for the S-PLUS package. Behavior Research Methods, 2004, 36, 678-694.	1.3	66

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37	Linear Deterministic Accumulator Models of Simple Choice. Frontiers in Psychology, 2012, 3, 292.	1.1	65
38	An Introduction to Good Practices in Cognitive Modeling. , 2015, , 25-48.		63
39	Estimating across-trial variability parameters of the Diffusion Decision Model: Expert advice and recommendations. Journal of Mathematical Psychology, 2018, 87, 46-75.	1.0	62
40	Converging measures of workload capacity. Psychonomic Bulletin and Review, 2010, 17, 763-771.	1.4	60
41	QMLE: Fast, robust, and efficient estimation of distribution functions based on quantiles. Behavior Research Methods, 2003, 35, 485-492.	1.3	58
42	Screen control and timing routines for the IBM microcomputer family using a high-level language. Behavior Research Methods, 1988, 20, 289-297.	1.3	57
43	A new framework for modeling decisions about changing information: The Piecewise Linear Ballistic Accumulator model. Cognitive Psychology, 2016, 85, 1-29.	0.9	53
44	The design and analysis of state-trace experiments Psychological Methods, 2012, 17, 78-99.	2.7	52
45	Reply to Speckman and Rouder: A theoretical basis for QML. Psychonomic Bulletin and Review, 2004, 11, 577-578.	1.4	50
46	The Lognormal Race: A Cognitive-Process Model of Choice and Latency with Desirable Psychometric Properties. Psychometrika, 2015, 80, 491-513.	1.2	48
47	Racing to remember: A theory of decision control in event-based prospective memory Psychological Review, 2018, 125, 851-887.	2.7	47
48	Recollection and familiarity in recognition memory: Evidence from ROC curves. Journal of Memory and Language, 2006, 55, 495-514.	1.1	45
49	Integrating Cognitive Process and Descriptive Models of Attitudes and Preferences. Cognitive Science, 2014, 38, 701-735.	0.8	45
50	Reliability of triggering inhibitory process is a better predictor of impulsivity than SSRT. Acta Psychologica, 2019, 192, 104-117.	0.7	45
51	Factors affecting progress of Australian and international students in a problem-based learning medical course. Medical Education, 2000, 34, 708-715.	1.1	43
52	Inhibiting responses to difficult choices Journal of Experimental Psychology: General, 2019, 148, 124-142.	1.5	43
53	Distribution-free tests of stochastic dominance for small samples. Journal of Mathematical Psychology, 2010, 54, 454-463.	1.0	41
54	Response time distributions and the Stroop task: A test of the Cohen, Dunbar, and McClelland (1990) model Journal of Experimental Psychology: Human Perception and Performance, 1992, 18, 872-882.	0.7	39

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55	Cognitive Modeling Suggests That Attentional Failures Drive Longer Stop-Signal Reaction Time Estimates in Attention Deficit/Hyperactivity Disorder. Clinical Psychological Science, 2019, 7, 856-872.	2.4	39
56	Strategic attention and decision control support prospective memory in a complex dual-task environment. Cognition, 2019, 191, 103974.	1.1	38
57	Not so primitive: context-sensitive meta-learning about unattended sound sequences. Journal of Neurophysiology, 2013, 109, 99-105.	0.9	37
58	The impact of MRI scanner environment on perceptual decision-making. Behavior Research Methods, 2016, 48, 184-200.	2.3	37
59	Response time distributions and the Stroop Task: a test of the Cohen, Dunbar, and McClelland (1990) model. Journal of Experimental Psychology: Human Perception and Performance, 1992, 18, 872-82.	0.7	37
60	Neuromorphic models of response time. Australian Journal of Psychology, 1998, 50, 157-164.	1.4	36
61	Item effects in recognition memory for words. Journal of Memory and Language, 2010, 62, 1-18.	1.1	36
62	What controls gain in gain control? Mismatch negativity (MMN), priors and system biases. Brain Topography, 2014, 27, 578-589.	0.8	35
63	Mismatch negativity (MMN) to pitch change is susceptible to order-dependent bias. Frontiers in Neuroscience, 2014, 8, 180.	1.4	34
64	Modeling cognitive load effects of conversation between a passenger and driver. Attention, Perception, and Psychophysics, 2017, 79, 1795-1803.	0.7	34
65	Temporally specific <scp>miRNA</scp> expression patterns in the dorsal and ventral striatum of addictionâ€prone rats. Addiction Biology, 2018, 23, 631-642.	1.4	34
66	Refining the law of practice Psychological Review, 2018, 125, 592-605.	2.7	34
67	Brain and Behavior in Decision-Making. PLoS Computational Biology, 2014, 10, e1003700.	1.5	33
68	Accumulating evidence about what prospective memory costs actually reveal Journal of Experimental Psychology: Learning Memory and Cognition, 2017, 43, 1616-1629.	0.7	31
69	Two Routes to Expertise in Mental Rotation. Cognitive Science, 2013, 37, 1321-1342.	0.8	30
70	Diffusion vs. linear ballistic accumulation: Different models, different conclusions about the slope of the zROC in recognition memory. Journal of Memory and Language, 2017, 96, 36-61.	1.1	30
71	A new model of decision processing in instrumental learning tasks. ELife, 2021, 10, .	2.8	30
72	The fragile nature of contextual preference reversals: Reply to Tsetsos, Chater, and Usher (2015) Psychological Review, 2015, 122, 848-853.	2.7	30

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73	Cognitive workload measurement and modeling under divided attention Journal of Experimental Psychology: Human Perception and Performance, 2019, 45, 826-839.	0.7	30
74	Cognitive control and capacity for prospective memory in complex dynamic environments Journal of Experimental Psychology: General, 2019, 148, 2181-2206.	1.5	29
75	Response-Time Dynamics: Evidence for Linear and Low-Dimensional Nonlinear Structure in Human Choice Sequences. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2001, 54, 805-840.	2.3	28
76	Recollection and confidence in two-alternative forced choice episodic recognition. Journal of Memory and Language, 2010, 62, 183-203.	1.1	28
77	Reactive control processes contributing to residual switch cost and mixing cost across the adult lifespan. Frontiers in Psychology, 2014, 5, 383.	1.1	27
78	Altering the primacy bias—How does a prior task affect mismatch negativity?. Psychophysiology, 2014, 51, 437-445.	1.2	26
79	Representation and selection of relative position. Journal of Experimental Psychology: Human Perception and Performance, 1993, 19, 488-516.	0.7	26
80	Diffusion versus linear ballistic accumulation: Different models for response time with different conclusions about psychological mechanisms?. Canadian Journal of Experimental Psychology, 2012, 66, 125-136.	0.7	25
81	Modeling the dynamics of recognition memory testing with an integrated model of retrieval and decision making. Cognitive Psychology, 2018, 104, 106-142.	0.9	25
82	Racing against the clock: Evidence-based versus time-based decisions Psychological Review, 2021, 128, 222-263.	2.7	24
83	Working memory's workload capacity. Memory and Cognition, 2015, 43, 973-989.	0.9	23
84	Toward a model-based cognitive neuroscience of mind wandering. Neuroscience, 2015, 310, 290-305.	1.1	23
85	Urgency, leakage, and the relative nature of information processing in decision-making Psychological Review, 2021, 128, 160-186.	2.7	23
86	Decision processes and the slowing of simple choices in schizophrenia Journal of Abnormal Psychology, 2015, 124, 961-974.	2.0	23
87	The falsifiability of actual decision-making models Psychological Review, 2014, 121, 676-678.	2.7	22
88	A dissociation between similarity effects in episodic face recognition. Psychonomic Bulletin and Review, 2009, 16, 824-831.	1.4	21
89	Titrating decision processes in the mental rotation task Psychological Review, 2015, 122, 735-754.	2.7	21
90	Asymmetric Compression of Representational Space for Object Animacy Categorization under Degraded Viewing Conditions. Journal of Cognitive Neuroscience, 2017, 29, 1995-2010.	1.1	21

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91	Modeling distracted performance. Cognitive Psychology, 2019, 112, 48-80.	0.9	21
92	Reconsidering electrophysiological markers of response inhibition in light of trigger failures in the stopâ€signal task. Psychophysiology, 2020, 57, e13619.	1.2	21
93	Testing formal predictions of neuroscientific theories of ADHD with a cognitive model–based approach Journal of Abnormal Psychology, 2018, 127, 529-539.	2.0	21
94	Likelihood ratio sequential sampling models of recognition memory. Cognitive Psychology, 2017, 92, 101-126.	0.9	20
95	On the efficiency of neurally-informed cognitive models to identify latent cognitive states. Journal of Mathematical Psychology, 2017, 76, 142-155.	1.0	20
96	Assessing Theoretical Conclusions With Blinded Inference to Investigate a Potential Inference Crisis. Advances in Methods and Practices in Psychological Science, 2019, 2, 335-349.	5.4	20
97	Accumulating advantages: A new conceptualization of rapid multiple choice Psychological Review, 2020, 127, 186-215.	2.7	20
98	Practice Increases the Efficiency of Evidence Accumulation in Perceptual Choice Journal of Experimental Psychology: Human Perception and Performance, 2005, 31, 289-298.	0.7	19
99	The best of times and the worst of times are interchangeable Decision, 2014, 1, 192-214.	0.4	19
100	Generalising the drift rate distribution for linear ballistic accumulators. Journal of Mathematical Psychology, 2015, 68-69, 49-58.	1.0	19
101	Opportunity for verbalization does not improve visual change detection performance: A state-trace analysis. Behavior Research Methods, 2017, 49, 853-862.	2.3	19
102	The list strength effect in source memory: Data and a global matching model. Journal of Memory and Language, 2018, 103, 91-113.	1.1	18
103	Evidence for different types of errors being associated with different types of post-error changes. Psychonomic Bulletin and Review, 2020, 27, 435-440.	1.4	17
104	Representation and selection of relative position Journal of Experimental Psychology: Human Perception and Performance, 1993, 19, 488-516.	0.7	17
105	Evidence accumulation in a complex task: Making choices about concurrent multiattribute stimuli under time pressure Journal of Experimental Psychology: Applied, 2016, 22, 1-23.	0.9	16
106	Biased relevance filtering in the auditory system: A test of confidence-weighted first-impressions. Biological Psychology, 2016, 115, 101-111.	1.1	16
107	Using response time modeling to understand the sources of dual-task interference in a dynamic environment Journal of Experimental Psychology: Human Perception and Performance, 2019, 45, 1331-1345.	0.7	16
108	Word frequency and word likeness mirror effects in episodic recognition memory. Memory and Cognition, 2006, 34, 826-838.	0.9	15

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109	Distinguishing the time- and magnitude-difference accounts of the Simon effect: Evidence from the reach-to-touch paradigm. Attention, Perception, and Psychophysics, 2016, 78, 848-867.	0.7	14
110	A Cautionary Note on Evidence-Accumulation Models of Response Inhibition in the Stop-Signal Paradigm. Computational Brain & Behavior, 2020, 3, 269-288.	0.9	14
111	Understanding the causes of adapting, and failing to adapt, to time pressure in a complex multistimulus environment Journal of Experimental Psychology: Applied, 2018, 24, 380-399.	0.9	14
112	Anodal tDCS over the Motor Cortex on Prepared and Unprepared Responses in Young Adults. PLoS ONE, 2015, 10, e0124509.	1.1	13
113	Intertrial RT variability affects level of targetâ€related interference in cued task switching. Psychophysiology, 2018, 55, e12971.	1.2	13
114	Modeling interaction as a complex system. Human-Computer Interaction, 2021, 36, 279-305.	3.1	13
115	Bayes factors for state-trace analysis. Journal of Mathematical Psychology, 2016, 72, 116-129.	1.0	12
116	Model flexibility analysis does not measure the persuasiveness of a fit Psychological Review, 2017, 124, 339-345.	2.7	12
117	Computing Bayes factors for evidence-accumulation models using Warp-III bridge sampling. Behavior Research Methods, 2020, 52, 918-937.	2.3	11
118	Extending the Failure-to-Engage theory of task switch costs. Cognitive Psychology, 2014, 72, 108-141.	0.9	10
119	Breaking the rules in perceptual information integration. Cognitive Psychology, 2017, 95, 1-16.	0.9	10
120	Global semantic similarity effects in recognition memory: Insights from BEAGLE representations and the diffusion decision model. Journal of Memory and Language, 2020, 111, 104071.	1.1	10
121	Systematic Parameter Reviews in Cognitive Modeling: Towards a Robust and Cumulative Characterization of Psychological Processes in the Diffusion Decision Model. Frontiers in Psychology, 2020, 11, 608287.	1.1	10
122	Prospective memory in the red zone: Cognitive control and capacity sharing in a complex, multi-stimulus task Journal of Experimental Psychology: Applied, 2019, 25, 695-715.	0.9	10
123	Referential delusions of communication and reality discrimination deficits in psychosis. British Journal of Clinical Psychology, 2008, 47, 323-334.	1.7	9
124	Bayesian analyses of cognitive architecture Psychological Methods, 2017, 22, 288-303.	2.7	9
125	ChoiceKey: A real-time speech recognition program for psychology experiments with a small response set. Behavior Research Methods, 2009, 41, 154-162.	2.3	8
126	Purely relative models cannot provide a general account of absolute identification. Psychonomic Bulletin and Review, 2009, 16, 583-593.	1.4	8

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127	An R package for state-trace analysis. Behavior Research Methods, 2012, 44, 644-655.	2.3	8
128	A diffusion decision model analysis of evidence variability in the lexical decision task. Psychonomic Bulletin and Review, 2017, 24, 1949-1956.	1.4	8
129	Parallel probability density approximation. Behavior Research Methods, 2019, 51, 2777-2799.	2.3	8
130	A nonlinear regression approach to estimating signal detection models for rating data. Behavior Research Methods, 2001, 33, 108-114.	1.3	7
131	Bias in exponential and power function fits due to noise: Comment on Myung, Kim, and Pitt. Memory and Cognition, 2003, 31, 656-661.	0.9	7
132	Modeling the effects of methylphenidate on interference and evidence accumulation processes using the conflict linear ballistic accumulator. Psychopharmacology, 2019, 236, 2501-2512.	1.5	7
133	Investigating the effects of ongoing-task bias on prospective memory. Quarterly Journal of Experimental Psychology, 2020, 73, 1495-1513.	0.6	7
134	Equally flexible and optimal response bias in older compared to younger adults Psychology and Aging, 2019, 34, 821-835.	1.4	7
135	Dissociating speed and accuracy in absolute identification: the effect of unequal stimulus spacing. Psychological Research, 2009, 73, 308-316.	1.0	6
136	Increasing capacity: Practice effects in absolute identification Journal of Experimental Psychology: Learning Memory and Cognition, 2011, 37, 477-492.	0.7	6
137	Fundamental causes of systematic and random variability in recognition memory. Journal of Memory and Language, 2016, 88, 51-69.	1.1	6
138	The cognitive load of narrative lies. Applied Cognitive Psychology, 2019, 33, 936-942.	0.9	6
139	On the Use of Nonparametric Regression in Assessing Parametric Regression Models. Journal of Mathematical Psychology, 2002, 46, 716-730.	1.0	5
140	Measuring 3-D understanding on the Web and in the laboratory. Behavior Research Methods, 2007, 39, 926-939.	2.3	5
141	Response-Time Dynamics: Evidence for Linear and Low-Dimensional Nonlinear Structure in Human Choice Sequences. , 0, .		5
142	OSARI, an Open-Source Anticipated Response Inhibition Task. Behavior Research Methods, 2022, 54, 1530-1540.	2.3	5
143	Self-reported mind wandering reflects executive control and selective attention. Psychonomic Bulletin and Review, 2022, 29, 2167-2180.	1.4	5
144	The Law of Practice and localist neural network models. Behavioral and Brain Sciences, 2000, 23, 479-480.	0.4	4

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145	Beyond Curve Fitting? Comment on Liu, Mayer-Kress, and Newell (2003). Journal of Motor Behavior, 2004, 36, 225-232.	0.5	4
146	A cognitive model-based approach to testing mechanistic explanations for neuropsychological decrements during tobacco abstinence. Psychopharmacology, 2018, 235, 3115-3124.	1.5	4
147	Using evidence accumulation modeling to quantify the relative contributions of spatial attention and saccade preparation in perceptual tasks Journal of Experimental Psychology: Human Perception and Performance, 2020, 46, 416-433.	0.7	4
148	Correlated racing evidence accumulator models. Journal of Mathematical Psychology, 2020, 96, 102331.	1.0	3
149	Target learning in event-based prospective memory Journal of Experimental Psychology: Learning Memory and Cognition, 2022, 48, 1110-1126.	0.7	3
150	Real-time prediction of short-timescale fluctuations in cognitive workload. Cognitive Research: Principles and Implications, 2021, 6, 30.	1.1	3
151	A cognitive model of response omissions in distraction paradigms. Memory and Cognition, 2021, , 1.	0.9	3
152	Stimulus-specific learning: disrupting the bow effect in absolute identification. Attention, Perception, and Psychophysics, 2011, 73, 1977-1986.	0.7	2
153	The Limits of Marginality. Computational Brain & Behavior, 0, , 1.	0.9	2
154	Spatial Attention and Saccade Preparation Both Independently Contribute to the Discrimination of Oblique Orientations. Advances in Cognitive Psychology, 2020, 16, 329-343.	0.2	2
155	Integrated responding improves prospective memory accuracy. Psychonomic Bulletin and Review, 2022, 29, 934-942.	1.4	2
156	Is unbounded visual search intractable?. Behavioral and Brain Sciences, 1990, 13, 449-449.	0.4	1
157	Referential delusions of communication and self-monitoring deficits in psychosis. Acta Neuropsychiatrica, 2006, 18, 243-244.	1.0	1
158	What Do the Rules for the Wrong Game Tell us About How to Play the Right Game?. Computational Brain & Behavior, 2019, 2, 187-189.	0.9	1
159	Confidence and varieties of bias. Journal of Mathematical Psychology, 2019, 90, 31-46.	1.0	1
160	Two processes are not necessary to understand memory deficits. Behavioral and Brain Sciences, 2019, 42, e294.	0.4	1
161	Nonlinear dynamical analysis of noisy time series. Nonlinear Dynamics, Psychology, and Life Sciences, 2005, 9, 399-433.	0.2	1

162 Editorial.. Psychological Review, 2022, 129, 1-3.

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163	When learning gets stuck: An automatic bias that alters probability sampling in the unattended auditory environment. International Journal of Psychophysiology, 2012, 85, 316-317.	0.5	0
164	Chapter 16. Time course differences between bilinguals and monolinguals in the Simon task*. Bilingual Processing and Acquisition, 0, , 397-426.	0.2	0