

CHRIS DONKIN

Psychology, UNSW Sydney
Kensington, NSW 2052, Australia
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EMPLOYMENT

- 2018 - Associate Professor
School of Psychology
UNSW Sydney
- 2014 Senior Lecturer
School of Psychology
UNSW Sydney
- 2013 - Discovery Early Career Research Fellow
2015 Australian Research Council
- 2012 Lecturer
School of Psychology
UNSW Sydney
- 2010 Post-Doctoral Fellow
Richard Shiffrin and Robert Nosofsky
Indiana University

EDUCATION

- 2010 PhD – The University of Newcastle
Supervisors: A/Prof. Scott Brown and Prof. Andrew Heathcote
- 2006 B.Math – The University of Newcastle
- 2005 B.Psych (Hons. Class I) – The University of Newcastle

AWARDS

- 2016 Psychonomic Society Early Career Award
- 2015 Willam K Estes Early Career Award (Society for Mathematical Psychology)
- 2013 Discovery Early Career Research Award (\$375,000 Fellowship over 3 years)
- 2012 Best Article in Psychonomic Bulletin & Review

- 2011 Netherlands Organisation for Scientific Research Rubicon grant (€118,000 Fellowship over 2 years, declined)
- 2010 Research Higher Degree Excellence Award - Faculty of Science and IT (PhD thesis)
- 2007 Australian Postgraduate Award (PhD Scholarship)
Vice Chancellor's Award for Outstanding Candidates (\$30,000 over 3 years)
- 2005 J.A.Keats Prize in Quantitative Psychology (Honors Thesis)

MANUSCRIPTS IN PROGRESS

* indicates equal contribution of the authors

Submitted

Szollosi, A., Liang, G., Konstantinidis, E., **Donkin, C.**, & Newell, B. R. (submitted). Simultaneous underweighting and overestimation of rare events: Resolving a paradox?

Ayling, L., Henry, A., Tracy, S., **Donkin, C.**, Kasparian, N., & Welsh, A. (submitted). Capacity for informed consent during labour: A pilot study.

Perfors, A., Navarro, D. J., **Donkin, C.**, & Benders, T. (rejected). Poor statistical inference or good social reasoning? On the pragmatics of the Monty Hall dilemma.

Revise and Resubmit

Dutilh, G., Annis, J., Brown, S. D., Cassey, P., Evans, N. J., Grassman, R. P. P. P., & Hawkins, G. E., Heathcote, A., Holmes, W. R., Kryptos, A-M., Kupitz, C. N., Leite, F. P., Lerche, V., Lin, Y-S., Logan, G. D., Palmeri, T. J., Starns, J. J., Trueblood, J. S., van Maanen, L., van Ravenzwaaij, D., Vandekerckhove, J., Visser, I., Voss, A., White, C. N., Wiecki, T. V., Rieskamp, J., & **Donkin, C.** (revise and resubmit). The quality of response time data inference: A blinded, collaborative assessment of the validity of cognitive models. *Psychonomic Bulletin & Review*.

Navarro, D. J., Perfors, A., Kary, A., Brown, S. D., & **Donkin, C.** (revise and resubmit). When extremists win: Cultural transmission via iterated learning when priors are heterogeneous. *Cognitive Science*.

Krefeld-Schwalb, A., **Donkin, C.**, Newell, B. R., & Scheibehenne, B. (revise and resubmit). Empirical comparison of the Adjustable Spanner and the Adaptive Toolbox Models of Choice. *Journal of Experimental Psychology: Learning, Memory, & Cognition*.

Potter, K., **Donkin, C.**, & Huber, D. (revised and resubmitted). Testing a perceptual fluency/disfluency model of priming with a model of response time and choice. *Cognitive Psychology*.

Oberauer, K., Lewandowsky, S., Awh, E., Brown, G. D. A., Conway, A., Cowan, N., **Donkin, C.**, Farrell, S., Hitch, G. J., Hurlstone, M., Ma, W. J., Morey, C. C., Nee, D. E., Schweppe, J., Vergauwe, E., & Ward, G. (revise and resubmit). Benchmarks for models of working memory. *Psychological Bulletin*.

Donkin, C., Taylor, R., & Le Pelley, M. (revise and resubmit). Evaluating models of visual working memory using a ranking task. *Psychological Review*.

PEER REVIEWED JOURNAL PUBLICATIONS

In Press

Reimers, S., **Donkin, C.**, & Le Pelley, M. E. (in press, accepted 30/10/2017). Perceptions of randomness in binary sequences: Normative, heuristics, or both? *Cognition*.

Baribault, B.*, **Donkin, C.***, Little, D. R., Trueblood, J. S., Oravecz, Z., van Ravenzwaaij, D., White, C. N., De Boeck, P., & Vandekerckhove, J.* (in press, accepted 10/10/2017). Meta-studies for robust tests of theory. *Proceedings of the National Academy of Sciences*.

Luckman, A., Newell, B. R., & **Donkin, C.** (in press, accepted 20/5/2017). Can a single model account for both risky choices and inter-temporal choices? Testing the assumptions of models of risky inter-temporal choice. *Psychonomic Bulletin & Review*.

Luckman, A., **Donkin, C.**, & Newell, B. R. (in press, accepted 19/5/2017). People wait longer when the alternative is risky: The relation between preferences in risky and inter-temporal choice. *Journal of Behavioral Decision Making*.

2017

Van Ravenzwaaij, D., **Donkin, C.**, & Vandekerckhove, J. (2017). The EZ diffusion model provides a powerful test of simple empirical effects. *Psychonomic Bulletin & Review*, 24, 547-556.

Mannion, D. J., **Donkin, C.**, & Whitford, T. J. (2017). No apparent influence of psychometrically-defined schizotypy on orientation-dependent contextual modulation of visual contrast detection. *PeerJ*, 5, e2921.

Taylor, R., Thomson, H., Sutton, D., & **Donkin, C.** (2017). Does working memory have a single capacity? *Journal of Memory and Language*, 93, 67-81.

2016

Nosofsky, R. M., & **Donkin, C.** (2016). Qualitative contrast between knowledge-limited mixed-state and variable-resources models of visual change detection. *Journal of Experimental Psychology: Learning, Memory & Cognition*, *42*, 1507-1525.

Ferreira, M. B., Mata, A., **Donkin, C.**, Sherman, S., & Ihmels, M. (2016). Analytic and heuristic processes in the detection and resolution of conflict. *Memory & Cognition*, *44*, 1050-1063.

Kary, A., Taylor, R. & **Donkin, C.** (2016). Using Bayes factors to test the predictions of models: A case study in visual working memory. *Journal of Mathematical Psychology*, *72*, 210-219. †Special Issue on 'Bayes Factors for Testing Hypotheses in Psychological Research: Practical Relevance and New Developments

Lufityanto, G., **Donkin, C.**, & Pearson, J. (2016). Measuring intuition in decision making. *Psychological Science*, *27*, 622-634.

Cassey, P., Hawkins, G., **Donkin, C.**, & Brown, S. D. (2016) Using alien coins to test whether simple inference is Bayesian. *Journal of Experimental Psychology: Learning, Memory & Cognition*, *42*, 497-503.

Donkin, C., Kary, A., Tahir, F., & Taylor, R. (2016). Resources masquerading as slots: Flexible allocation of visual working memory. *Cognitive Psychology*, *85*, 30-42.

Nosofsky, R. M., & **Donkin, C.** (2016). Response-time evidence for mixed memory states in a sequential-presentation change-detection task. *Cognitive Psychology*, *84*, 31-62.

2015

Hawkins, G., Hayes, B., **Donkin, C.**, Pasqualino, M., & Newell, B. R. (2015). A Bayesian latent-mixture model analysis shows that informative samples reduce base-rate neglect. *Decision*, *2*, 306-318.

Donkin, C., Newell, B. R., Kalish, M., Dunn, J. C., & Nosofsky, R. M. (2015). Identifying strategy use in category learning tasks: A case for more diagnostic data and models. *Journal of Experimental Psychology: Learning, Memory & Cognition*, *41*, 933-948.

Pearson, D., **Donkin, C.**, Tran, S., Most, S., & Le Pelley, M. (2015). Cognitive control and counterproductive oculomotor capture by reward-related stimuli. *Visual Cognition*, *23*, 41-66. †Special Issue on Reward Guides Visual Attention

Donkin, C., Tran, S. C., & Le Pelley, M. (2015). Location-based errors in change detection: A challenge for the slots model of visual working memory. *Memory & Cognition*, *43*, 421-431. †Special Issue on Working Memory

Endres, M. J., Houpt, J. W., **Donkin, C.**, & Finn, P. R. (2015). Working memory capacity and redundant information processing efficiency. *Frontiers in Psychology*, *6*, 594. †Special Issue on Modeling Individual Differences in Perceptual Decision Making

Donkin, C., Nosofsky, R. M., Gold, J., & Shiffrin, R. M. (2015). Verbal labeling, gradual decay, and sudden death in visual short-term memory. *Psychonomic Bulletin & Review*, 22, 170-178.

Donkin, C., Chan, V., & Tran, S. (2015). The effect of blocking inter-trial interval on sequential effects in absolute identification. *Quarterly Journal of Experimental Psychology*, 68, 129-143.

2014

Ben-David, B., Eidels, A., & **Donkin, C.** (2014). Effects of aging and distractors on detection of redundant visual targets and capacity: Do older adults integrate visual targets differently than younger adults? *PLoS One*, 9(12), e113551.

Vlassova, A., **Donkin, C.**, & Pearson, J. (2014). Unconscious information changes decision accuracy but not confidence. *Proceedings of the National Academy of Sciences*, 111, 16214-16218.

Donkin, C., & Van Maanen, L. (2014). Pieron's Law is not just an artifact of the response mechanism. *Journal of Mathematical Psychology*, 62, 22-32.

Donkin, C., Tran, S., & Nosofsky, R. M. (2014). Landscaping analyses of the ROC predictions of discrete-slots and signal-detection models of visual working memory. *Attention, Perception & Psychophysics*, 76, 2103-2116. †Special Issue on Visual Working Memory

Rae, B., Heathcote, A., **Donkin, C.**, Averell, L., & Brown, S. D. (2014). The hare and the tortoise: Emphasizing speed can change the evidence used to make decisions. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 40, 1226-1243.

Donkin, C., Little, D., & Houpt, J. (2014). Assessing the speed-accuracy trade-off effect on the capacity of information processing. *Journal of Experimental Psychology: Human Perception and Performance*, 40, 1183-1202.

Endres, M., **Donkin, C.**, & Finn, P. (2014). An information processing/associative learning account of behavioral disinhibition in externalizing psychopathology. *Experimental and Clinical Psychopharmacology*, 22, 122-132.

Houpt, J. W., Townsend, J. T., & **Donkin, C.** (2014). A new perspective on visual word processing efficiency. *Acta Psychologica*, 145, 118-127.

2013

Donkin, C.*, Nosofsky, R. M.*, Gold, J., & Shiffrin, R. (2013). Discrete-slots models of visual working-memory response times. *Psychological Review*, 120, 873-902.

Newell, B., Van Ravenzwaaij, D., & **Donkin, C.** (2013). A quantum of truth? Querying the alternative benchmark for human cognition. *Behavioral & Brain Sciences*, 36, 300-302.

Little, D. R., Nosofsky, R. M., **Donkin, C.**, & Denton, S. E. (2013). Logical rules and the classification of integral-dimension stimuli. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 39, 801-820.

2012

Donkin, C. & Nosofsky, R. M. (2012). A power-law model of psychology memory strength in short- and long-term recognition. *Psychological Science*, 23, 625-634.

Donkin, C., & Nosofsky, R. M. (2012). The form of short-term memory scanning: an investigation using response time distribution models. *Psychonomic Bulletin & Review*, 19, 363-394.

King, J., **Donkin, C.**, Korb, F., & Egner, T. (2012). Model-based analysis of context-specific cognitive control. *Frontiers in Psychology*, 3, 358. †Special Issue on Anticipation and the Control of Voluntary Action

2011

Nosofsky, R. M., Little, D. R., **Donkin, C.** & Fific, M. (2011). Short-term memory scanning viewed as exemplar-based categorization. *Psychological Review*, 118, 280-315.

Dodds, P. **Donkin, C.**, Brown, S., Heathcote, A & Marley, A. A. J. (2011). Stimulus-specific learning: Disrupting the bow effect in absolute identification. *Attention, Perception & Psychophysics*, 73, 1977-1986.

Dodds, P. **Donkin, C.**, Brown, S., & Heathcote, A. (2011). Increasing capacity: Practice effects in absolute identification. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 37, 477-492.

Donkin, C., Brown, S., & Heathcote, A. (2011). Drawing conclusions from choice response time models: A tutorial using the Linear Ballistic Accumulator model. *Journal of Mathematical Psychology*, 55, 140-151.

Donkin, C., Brown, S., Heathcote, A. & Wagenmakers, E. J. (2011). Diffusion versus linear ballistic accumulation: Different models but the same conclusions about psychological processes? *Psychonomic Bulletin & Review*, 18, 61-69.

2010

Eidels, A. **Donkin, C.**, Brown, S., & Heathcote, A. (2010). Converging measures of workload capacity. *Psychonomic Bulletin & Review*, 17, 763-771.

2009

Donkin, C., Brown, S., & Heathcote, A. (2009). The over constraint of response time models: Rethinking the scaling problem. *Psychonomic Bulletin and Review*, 16, 1129-1135.

Donkin, C., Averell, L., Brown, S., & Heathcote, A. (2009). Getting more from accuracy and response time data: Methods for fitting the Linear Ballistic Accumulator. *Behaviour Research Methods*, *41*, 1095-1110.

Donkin, C., Brown, & Heathcote, A. (2009). ChoiceKey: A real-time speech recognition program for psychology experiments with a small response set. *Behavioral Research Methods*, *41*, 154-162.

Donkin, C., Brown, S., Heathcote, A., & Marley, A. A. J. (2009). Dissociating speed and accuracy in absolute identification: The effect of unequal stimulus spacing. *Psychological Research*, *73*, 308-316.

2008

Brown, S., Marley, A. A. J., **Donkin, C.**, & Heathcote, A. (2008). An integrated architecture for absolute identification, *Psychological Review*, *115*, 396-425.

PEER REVIEWED BOOK CHAPTERS

Donkin, C., & Brown, S. D. (in press). Response time modeling. In *The Stevens' Handbook of Experimental Psychology and Cognitive Neuroscience, Fourth Edition*

Cousineau, D., **Donkin, C.**, & Dumesnil, E. (2015). Unitization of features following training in a visual search task. In J. R. Raaijmakers, A. H. Criss, R. Goldstone, R. M. Nosofsky, & M. Steyvers (Eds.), *Cognitive modeling in perception and memory: A festschrift for Richard M. Shiffrin*. Psychology Press.

Donkin, C., Rae, B., Heathcote, A., & Brown, S. D. (2015). Why is accurately labeling simple magnitudes so hard? A past, present and future look at simple perceptual judgment. In J. Busemeyer, Z. J. Wang, J. Townsend, & A. Eidels (Eds.), *Oxford Handbook of Computational and Mathematical Psychology*. Oxford: Oxford University Press.

PEER REVIEWED CONFERENCE PAPERS

Liang, G., Konstantinidis, E., Szollosi, A., **Donkin, C.**, & Newell, B. R. (2017). The impact of decisions and incentives on the simultaneous underweighting and overestimation of rare events. *Proceedings of the 39th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Navarro, D. J., Perfors, A., Kary, A., Brown, S. D., & **Donkin, C.** (2017). When extremists win: On the behavior of iterated learning chains when priors are heterogeneous. *Proceedings of the 39th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Luckman, A., **Donkin, C.**, & Newell, B. R. (2015). Exploring the concept of utility: Are separate value functions required for risky and inter-temporal choice? In D.C. Noelle, R.

Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Hendrickson, A. T., Navarro, D. J., & **Donkin, C.** (2015). Quantifying the time course of similarity. In D.C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Lin, D., **Donkin, C.**, & Newell, B. R. (2015). The exemplar-confusion model: An account of biased probability estimates in decisions from description. In D.C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Donkin, C. & Shiffrin, R. (2011). Visual search as a combination of automatic and attentive processes. In L. Carlson, C. Hoelscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Donkin, C., Shiffrin, R., Brown, S., & Heathcote, A. (2010). Does micro-variability make models more complex? A comparison between diffusive and linear evidence accumulation. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Dodds, P., **Donkin, C.**, Brown, S., & Heathcote, A. (2010). Multidimensional Scaling Methods for Absolute Identification Data. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Donkin, C., Heathcote, A., & Brown, S. (2009). Is the Linear Ballistic Accumulator model really the simplest model of choice response times: A Bayesian model complexity analysis? In A. Howes, D. Peebles, R. Cooper (Eds.), *9th International Conference on Cognitive Modeling – ICCM2009*, Manchester, UK.

Donkin, C., Heathcote, A., Brown, S., & Andrews, S. (2009). Non-decision time effects in the lexical decision task. In N. A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Dodds, P., **Donkin, C.**, Brown, S., & Heathcote, A. (2009). Revisiting the limits of learning in absolute identification. In N. A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

GRANTS

- 2017-2019 ARC Discovery Project "Towards a process model of visual working memory" \$295,000. 2017-2019. DP170101684. CIs: C. Donkin, M. Le Pelley.
- 2016-2018 ARC Discovery Project "Unifying decisions from experience and description" \$290,558. 2016-2018. DP160101186. CIs: B. R. Newell, C. Donkin.
- 2013-2015 ARC Discovery Project "A new approach to understanding decision making" \$229,000.00, 2013-2015, DP130100124. CIs: C. Donkin, S. D. Brown, Partner Investigators: G. Logan.
- 2013-2015 ARC Discovery Early Career Research Award "A model based approach to investigating short-term memory: Exploiting response time distributions" \$374,943.00, 2013-2015, DE130100129. Sole investigator (Fellowship).
- 2011 Rubicon grant: Postdoctoral Fellowship for €118,000 over 2 years (declined). Netherlands Organisation for Scientific Research (NWO)

PHD SUPERVISION

- Ashley Luckman, graduated in 2016, co-supervised with B. R. Newell
- Arthur Kary, ongoing, co-supervising with B. R. Newell
- Aba Szollosi, ongoing, co-supervising with B. R. Newell
- Jeremy Ngo, ongoing, co-supervising with B. Hayes
- Luke Mills, ongoing, co-supervising with S. Kinoshita
- Ed Stewart, ongoing, co-supervising with M. Le Pelley

REVIEWING ACTIVITY

- Associate Editor, *Behavior Research Methods*, 2014-
- Associate Editor, *Experimental Psychology*, 2015-
- Consulting Editor, *Journal of Experimental Psychology: Human Perception & Performance*, 2015-
- Editorial Board, *Journal of Memory and Language*, 2015-
- Consulting Editor, *Psychonomic Bulletin & Review*, 2016-
- Ad-hoc reviewer for *Psychological Review*; *Journal of Experimental Psychology: General*; *Cognitive Psychology*; *Cognition*; *Cognitive Science*; *Psychological Methods*; *Journal*

of Experimental Psychology: Learning, Memory & Cognition; Journal of Experimental Psychology: Human Perception & Performance; Journal of Memory & Language; Psychonomic Bulletin & Review; Journal of Mathematical Psychology; Current Directions in Psychological Science; Journal of Vision; Memory & Cognition; Attention, Perception & Psychophysics; Quarterly Journal of Experimental Psychology; Decision; Current Directions in Psychological Science; Emotion; Acta Psychologica; PLoS One; Canadian Journal of Experimental Psychology; Australian Journal of Psychology; Experimental Psychology; Behavior Research Methods; and the Annual Cognitive Science Meeting.

Reviewer for Australian Research Council *Future Fellowship*, *Discovery Projects*, and *Discovery Early Career Research Fellowship* Schemes, and for the National Science Foundation (United States) and Swiss National Science Foundation (Switzerland).

TEACHING

University of New South Wales

Course Coordinator/Convener

- 2016-2017 PSYC2001 (Research Methods 2)
Honours-level Elective
- 2012 PSYC3001 (Research Methods 3)
Honours-level Elective
- 2012-2013 Honours-level Elective
2012 - Recollection and Recognition
2013 – Cognitive Modeling

Lecturer

- 2012-2017 PSYC2001 (Research Methods 2)
PSYC3211 (Cognitive Science)

University of Newcastle

- 2007 **Course Coordinator**
STAT2000 (Applied Statistics and Research Methods)
- 2006-2007 **Lecturer**
STAT1050 (Statistics for Business)

2004-2009 **Tutor**

Tutoring computer laboratories and tutorials for various Psychology and Statistics courses

INVITED TALKS

Donkin, C., Vandekerckhove, J., et al. (2016). Large N and radical randomization to test the robustness of empirical results. *Computational Approaches to Cognition*. Boston, USA.

Donkin, C. Vandekerckhove, J., Taylor, R., et al. (2016). Embrace the random effects. Invited talk at *University of Cologne*. Cologne, Germany.

Donkin, C. Vandekerckhove, J., Taylor, R., et al. (2016). Embrace the random effects. Invited talk at *University of Zurich*. Zurich, Switzerland.

Donkin, C. Vandekerckhove, J., Taylor, R., et al. (2016). Embrace the random effects. Invited talk at *University of Bristol*, England.

Donkin, C., Taylor, R., & Le Pelley, M. (2016). Slot models of visual working memory. Invited talk at *Bernstein Center for Computational Neuroscience, Berlin*, Germany.

Donkin, C., Taylor, R., & Le Pelley, M. (2016). Slot models of visual working memory. Invited talk at *University of Mannheim*, Germany.

Donkin, C. Vandekerckhove, J., Taylor, R., et al. (2016). Embrace the random effects. Invited talk at *University of Mannheim*. Mannheim, Germany.

Donkin, C., et al. (2016). Using many-labs projects to understand our theories and our data. Invited presentation at *University of Heidelberg*, Germany.

Donkin, C. (2016). The Stochastic Linear Ballistic Accumulator Model. Early Career Award talk at *Annual Meeting of the Society of Mathematical Psychology*. New Brunswick, USA.

Donkin, C. (2015). A critical look at slots models of visual working memory. Invited talk at *University of Cologne*. Cologne, Germany.

Donkin, C., Lin, D., & Newell, B. (2015). Exemplar Confusion in Decision Making Models. Invited talk at *Workshop of Memory and Decision Making*. Hoelstein, Switzerland.

Donkin, C. (2015). Slots models of visual working memory. Invited talk at *University of Zurich*, Switzerland. Zurich, Switzerland.

Donkin, C. (2015). Testing the predictions of models: Or how I learned to stop worrying and love the prior. Invited talk at *University of Basel*, Switzerland. Basel, Switzerland.

Donkin, C. (2014). Testing complex hypotheses with simple accumulators. Invited talk at *Workshop on Sequential Sampling Models for Cognitive and Perceptual Decision Making, Cognitive Science Meeting*. Quebec City, Canada.

Donkin, C. (2013). An introduction to Bayesian statistics. Invited talk at *University of New South Wales*. Sydney, Australia.

Donkin, C. Modeling response times in visual search. (2011). Invited colloquium at *University of Newcastle*. Newcastle, Australia.

Donkin, C. (2011). Using response time models to understand cognitive processes. Invited talk at *University of New South Wales*. Sydney, Australia.

Donkin, C. (2011). Using response time models to understand mental architecture. Invited talk at *University of California, Irvine*. Irvine, USA.

Donkin, C. (2011). Using response time models to understand mental architecture. Invited talk at *University of Basel*. Basel, Switzerland.

PUBLISHED ABSTRACTS AND PRESENTATIONS (PRESENTING AUTHOR)

Donkin, C., Taylor, R., & Pleskac, T. (2017). Hierarchical Bayesian meta-analysis. *Annual Meeting of the Society of Mathematical Psychology*. Warwick, England.

Donkin, C., Baribault, B., Vandekerckhove, J., et al. (2017). Large N and radical randomization. *Australasian Experimental Psychology Conference*. Shoal Bay, Australia.

Donkin, C., Taylor, R., & Le Pelley, M. (2017). Are verbal short-term memories all-or-none? *Australian Mathematical Psychology Society*. Brisbane, Australia.

Donkin, C., Dutilh, G., et al. (2016). The EZ diffusion model provides a powerful test of empirical effects: Simulations and a Many-Lab Validation Study. *Annual Conference of the Psychonomic Society*. Boston, USA.

Taylor, R., Nosofsky, R. M., & **Donkin, C.** (2016). Constraining the variable precision model of visual working memory. *Annual Meeting of the Society of Mathematical Psychology*. New Brunswick, USA.

Donkin, C., Taylor, R., & Nosofsky, R. M. (2016). Exploring Bayesian decision rules in models of visual working memory. *Annual Summer Interdisciplinary Conference*. Sal Gardena, Italy.

Donkin, C. (2016). What is Bayes bad for? Exploring Bayesian decision rules in models of visual working memory. *Australasian Experimental Psychology Conference*. Melbourne, Australia.

Donkin, C., Kary, A., Tahir, F., & Taylor, R. (2016). Resources masquerading as slots. Talk at *Australian Mathematical Psychology Conference*. Hobart, Australia.

Donkin, C., Lin, D., & Newell, B. (2015). Exemplar Confusion in Decision Making Models. Talk at *The 37th Annual Conference of the Cognitive Science Society*. Pasedena, USA.

Donkin, C. & Taylor, R. (2015). Is there a single working memory capacity? Talk at *Annual Meeting of the Society of Mathematical Psychology*. Newport Beach, USA.

Donkin, C. (2015). Is Psychology ready for Bayesian statistics? Talk at *Australasian Experimental Psychology Conference*. Sydney, Australia.

Donkin, C. (2015). Testing model predictions using Bayes factors and informed priors. Talk at *Australian Mathematical Psychology Conference*. Shoal Bay, Australia.

Donkin, C., Kary, A., Tahir, F., & Taylor, R. (2014). Resources masquerading as slots: Flexible allocation of visual working memory. Paper presented at *Annual Conference of the Psychonomic Society*. Long Beach, USA.

Donkin, C., Tran, S., & Nosofsky, R. M. (2014). ROC predictions of slots and resources models of visual working memory: Bayes Factors and Landscaping. Paper presented at *Annual Meeting of the Society of Mathematical Psychology*. Quebec City, Canada.

Donkin, C., Nosofsky, R. M., Gold, J., & Shiffrin, R. M. (2014). Verbal labeling, gradual decay, and sudden death in visual short-term memory. Paper presented at *Australasian Experimental Psychology Conference*. Brisbane, Australia.

Donkin, C., Tran, S., & Nosofsky, R.M. (2014). Landscaping analyses of the ROC predictions of discrete-slots and signal-detection models of visual working memory. Paper presented at *Australasian Mathematical Psychology Conference*. Canberra, Australia.

Donkin, C., Nosofsky, R. M., Gold J., & Shiffrin, R. M. (2013). Discrete-slots models of visual working memory response times. Talk at the *Annual Conference of the Psychonomic Society*. Toronto, Canada.

Donkin, C., Nosofsky, R. M., Gold, J., & Shiffrin, R. M. (2013). Discrete-slots models of visual working memory response times. Talk at the *Annual Meeting of the Society of Mathematical Psychology*. Berlin, Germany.

Donkin, C., Nosofsky, R. M., Gold, J., & Shiffrin, R. M. (2013). Discrete-slots models of visual working memory response times. Talk at the *Annual Summer Interdisciplinary Conference*. Cortina, Italy.

Donkin, C., Nosofsky, R. M., Kalish, M., Dunn, J., & Newell, B. (2013). Identifying classification strategy in information-integration categorization tasks. Talk at *Australasian Mathematical Psychology Conference*. Sydney, Australia.

Donkin, C., Eidels, A., & Ben-David, B. (2012). Parametric and non-parametric capacity: An application to aging. Talk at the *Annual Meeting of the Society of Mathematical Psychology*. Columbus, USA.

Donkin, C., & Nosofsky, R. M. (2012). A power-law of psychological memory strength in short-term and long-term recognition. Talk at the *Australasian Experimental Psychology Conference*. Sydney, Australia.

Donkin, C., & Nosofsky, R. M. (2012). A power-law of psychological memory strength in short-term and long-term recognition. Talk at the *Australasian Mathematical Psychology Conference*. Adelaide, Australia.

Donkin, C., & Nosofsky, R. M. (2011). The form of short-term memory scanning: an investigation based on response time distributions. Talk at the *Annual Meeting of the Society of Mathematical Psychology*. Boston, USA.

Donkin, C. & Shiffrin, R. (2011). Visual search as a combination of automatic and attentive processes. Talk at *The 33rd Annual Conference of the Cognitive Science Society*. Boston, USA.

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