



**MACQUARIE**  
University  
SYDNEY · AUSTRALIA

## Curriculum Vitae

*Simon John Handley*

### Education and Degrees

Cardiff University	1986-1990	B.Sc. Applied Psychology
Cardiff University	1990-1993	Ph.D. Psychology, 1996

### Employment History

Lecturer in Psychology	1993-2000	University of Plymouth
Senior Lecturer in Psychology	2000-2002	University of Plymouth
Principal Lecturer in Psychology	2002-2004	University of Plymouth
Reader in Experimental Psychology	2004-2006	University of Plymouth
Professor of Cognitive Psychology	2006-2015	University of Plymouth
Professor of Cognitive Psychology	2015 to date	Macquarie University

### Administrative Record

Postgraduate Tutor, School of Psychology, Plymouth University	2003 to 2005
Associate Head of School (Research) RAE Co-ordinator (Psychology), Plymouth University	2005 to 2009 2007
Head of Psychology Associate Dean (Research), Faculty of Science and Technology Plymouth University	2009 to 2012 2010 to 2012
Acting Dean of Science and Technology, Plymouth University	2012 to 2013
Acting Dean of Science and Environment, Plymouth University	2013 to 2014
Head of Psychology Associate Dean (Faculty of Health and Human Sciences), Plymouth University	July 2014 to October 2015
Executive Dean of Faculty of Human Sciences, Macquarie University	November 2015 to date

## **Administrative Responsibilities**

### **Plymouth University**

Chair of Faculty Strategy Group (£60M revenue, 5 (4) Academic Schools, 580 staff (280 academics) 2012-2014)

Chair of Faculty Board (2012-14)

Chair of Faculty Research Excellence Framework steering committee (9 Units of Assessment, 220 FTEs, 2011-2014)

Chair of Faculty Research Committee (£7.8M of research income 2012/13, 2010-2014)

Chair of University e-books Project Executive Board (2013 to date)

Chair of Deans Group (2013-2014)

Chair of Britannia Royal Naval College PU teaching Operations Group (2012-2014)

Member of Academic Board

Member of Senior Leadership team

Member of Executive Advisory Group (2012-2014)

Member of University REF steering group

Member of University Research Committee

Member of Curriculum Enrichment Project Executive Board

### **Macquarie University**

Chair of Faculty Executive Advisory Committee (\$105M revenue, 340 continuing staff (209 academics), 4 academic schools)

Chair of Faculty Board

Member of University Executive Group

### **External**

Chair of the Economic and Social Research Council (ESRC) Future Research Leaders Commissioning Panel (2013 to 2015)

Chair of the ESRC Future Research Leaders Sift Panel (2013 to 2015)

Chair of the ESRC Doctoral Training Centre Assurance checking panel (2015)

Member of the ESRC Training and Skills Committee (2013 to 2015)

Committee Liaison Member to three Doctoral Training Centres (Cambridge, Southampton and Scotland, 2013 to 2015)

## **Significant projects and key achievements**

### **As Dean of Science and Technology/ Environment, Plymouth University (2012-2014)**

- I coordinated the final preparations for the UK Research Excellence Framework submission in Science which included 9 units of assessment and more than 200 researchers. The outcome of this exercise has now been published and the Science submission included four of the best performing units in the University (Psychology, Earth and Environmental Sciences, Geography and Computing)

- I oversaw a significant increase in research funding in the Faculty, from £6.5M in 2012 to £7.8M in 2013. This was supported through targeted investment across areas of research excellence over a two year period.
- I led the development of a commercialisation strategy for the faculty. This included the appointment of a director for the university's COAST facility, built around a world leading coastal processes research unit. I have actively supported a number of spin out activities and commercial projects, the most significant of which was a £4M contract with the UAE Navy to establish advanced hydrographic surveying capability.
- I led the restructuring of the Science and Technology Faculty in 2013 to form a new Science and Environment Faculty. This involved the disaggregation of the School of Biomedical and Biological Sciences (with Biomedical Sciences moving to the medical school) and the move of Psychology to a Faculty of Health and Human Sciences. This process also entailed a review of technical structures and technical support.
- During my tenure I led an academic and research review of Faculty activity as part of a University cost-cutting exercise. This review realised staff savings of £700K in 13/14 and £1.4M in 14/15.
- I led a number of initiatives to facilitate student recruitment, including a review of the faculty's digital presence, a targeted Google Adwords initiative and the introduction of an Academic excellence awards for high tariff students.
- These initiatives resulted in a year on year increase in student applications and enrolments across five academic schools during my tenure (Psychology, Marine Science, Biological Sciences, Computing and Maths, Geography, Earth and Environmental Sciences)

**As Head of Psychology, Plymouth University (2009-2012; 2014 to 2015)**

- A three-fold increase in research income during research assessment period (2008-2013, £3.4M)
- The establishment of a Centre for Brain, Cognition and Behaviour built around excellence and investment in cognitive psychology and cognitive neuroscience
- In 2011 I initiated a £200K investment in a state of the art 'Plymouth Babylab' to support research in language development. The laboratory subsequently secured a £900K ESRC grant to support research on infant language processing
- In 2012 I led a proposal to establish the Plymouth University Cognition Institute, a multidisciplinary institute incorporating research excellence in Psychology, computational neuroscience, cognitive robotics, neuro-arts, trans technology and medicine. The Institute supported a successful £4M Euro award to Psychology to support CogNovo, a European funded, single institute European Training Network in Cognitive Innovation.
- The School of Psychology achieved an excellent Research Excellence Framework outcome in 2014, placing it within the top 30% of Schools of Psychology within the UK. This represented a significant improvement in relative position compared

to 2008 and placed Psychology as the top performing discipline at Plymouth University

- I established a unique four year MPsych undergraduate masters programme in Psychology, incorporating pathways in Clinical Psychology, Cognitive Neuroscience and Behaviour Change.

#### **As Executive Dean of Macquarie University**

- Responsible for the development and implementation of strategic plan for the Faculty of Human Sciences.
- Oversight and leadership of the Faculty of Human Sciences incorporating four academic departments: Psychology, Linguistics, Cognitive Science and Educational Studies.

### **Research Record**

#### **Publications**

WoS cites: 1794

H index: 27

Cites per article: 18.7

Google Scholar: 3512

H index: 34

i10 index: 70

#### **Refereed Journal Articles**

1. Trippas, D., Thompson, V.A., & Handley S. J. (in press). When fast logic meets slow belief: Evidence for a parallel processing model of belief bias. *Memory and Cognition*.
2. Trippas, D., Handley, S. J., Verde, M. F., & Morsanyi, K. (2016). Logic brightens my day: Evidence for implicit sensitivity to logical structure. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 42, 1448-1457.
3. Hafner, R. J., White, M. P., & Handley, S. J. (2016). The excess choice effect: The role of outcome valence and counterfactual thinking, *British Journal of Psychology*, 107, 36-51.

4. Howarth, S., Handley, S.J., & Walsh, C. (2016). The logic-bias effect: The role of effortful processing in the resolution of belief-logic conflict. *Memory and Cognition*, *44*, 330-349.
5. Trippas, D., Pennycook, G., Verde, M. F., & Handley, S. J. (2015). Better but still biased: Analytic cognitive styles and belief bias. *Thinking and Reasoning*, *21*, 431-445.
6. Handley, S. J., & Trippas, D. (2015). Dual processes and the interplay between knowledge and structure: A new parallel processing model. *Psychology of Learning and Motivation*, *6*, 33-58.
7. Trippas, D., Verde, M. F., & Handley, S. J. (2015). Alleviating the concerns with the SDT approach to reasoning: Reply to Singman and Kellen (2014). *Frontiers in Psychology*.
8. Trippas, D., Verde, M. F., & Handley, S. J. (2014). Using forced choice to test belief bias in syllogistic reasoning, *Cognition*, *133*, 586-600.
9. PennyCook, G., Trippas, D., Handley, S. J. & Thompson, V. A. (2014). Base rates: Both neglected and intuitive. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *40*, 544-554.
10. Bacon, A. M., & Handley, S. J. (2014). Reasoning and Dyslexia: is visual memory a compensatory resource? *Dyslexia*, *20*, 330-345.
11. Trippas, D., Handley, S. J., & Verde, M. F. (2014). Fluency and belief bias in deductive reasoning: New indices for old effects. *Frontiers in Psychology*, *5*: 631.
12. Trippas, D., Verde, M. F., Handley, S. J., Roser, M. E., McNair, N. M., & Evans, J. St. B. T. (2014). Modeling causal conditional reasoning data using SDT: caveats and new insights. *Frontiers in Psychology*, *5*: 217.
13. Bialek, M., Terbeck, S., & Handley (2014). Cognitive Psychological Support for the ADC Model of Moral Judgment, *AJOB Neuroscience*, *5*, 21-29.
14. Trippas, D., Handley, S. J., & Verde, M. F. (2013). The SDT Model of Belief Bias: Complexity, Time and Cognitive Ability Mediate the Effects of Believability. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *39*, 1393-1402.
15. Morsanyi, K., Handley, S.J. & Serpell, S. (2013). Making heads or tails of probability. An experiment with random generators. *British Journal of Educational Psychology*, *83*, 379-395.
16. Morsanyi, K., & Handley, S. J. (2012). Reasoning on the basis of fantasy content: Two studies with high functioning autistic adolescents. *Journal of Autism and Developmental Disorders*, *42*, 2297-2311.
17. Morsanyi, K., Primi, C., Handley, S.J., Chiesi, F. & Galli, S. (2012). Are systemizing and autistic traits related to talent and interest in mathematics and engineering? Testing some of the central claims of the empathizing-systemizing theory. *British Journal of Psychology*, *103*, 472-496.

18. Hafner, R. J., White, M. P., & Handley, S. J. (2012) Spoilt for choice: The role of counterfactual thinking in the excess choice and reversibility paradoxes. *Journal of Experimental Social Psychology*, 48, 28-36.
19. Morsanyi, M., & Handley, S. J. (2012). Logic feels so good – I like it! Evidence for intuitive detection of logicity in syllogistic reasoning. *Journal of Experimental Psychology: Learning Memory and Cognition*, 38, 596-616.
20. Handley, S.J., Newstead, S. E., & Trippas, D. (2011). Logic, beliefs and instruction: A test of the default interventionist account of belief bias. *Journal of Experimental Psychology: Learning, Memory and Cognition* 37, 28-43.
21. Morsanyi, M., Handley, S. J. & Evans, J. St. B. T. (2010). Decontextualised minds: Adolescents with autism are less susceptible to the conjunction fallacy. *Journal of Autism and Developmental Disorders*, 101, 433-452.
22. Bacon, A. M., & Handley, S. J. (2010). Dyslexia and reasoning: The importance of visual processes. *British Journal of Psychology*, 101, 433-452.
23. Evans, J. St. B. T., Handley, S. J., Neilens, H., & Over, D. (2010). The influence of cognitive ability and instructional set on causal conditional inference. *Quarterly Journal of Experimental Psychology*, 63. 892-909.
24. Mckenzie, R., Evans, J. St. B. T., & Handley, S. J. (2010). Conditional reasoning in autism: activation and integration of knowledge and belief. *Developmental Psychology*, 46, 391-403.
25. Morsanyi, K., Primi, C., Chiesi, F., & Handley, S. (2009). The effects and side-effects of statistics education: Psychology students' (mis-) conceptions of probability. *Contemporary Educational Psychology*, 34, 210-220.
26. Neilens, H. L., Handley, S. J., & Newstead, S. E. (2009). Effects of training and instruction on analytic and belief-based reasoning processes. *Thinking and Reasoning*, 15, 37-68.
27. Evans, J. St. B. T., Handley, S. J. & Bacon, A. (2009). Reasoning under time pressure: A study of causal conditional inference. *Experimental Psychology*, 56, 77-83. .
28. Evans, J. St. B. T., Neilens, H., Handley, S. J. & Over, D. E. (2008). When we can say 'if'. *Cognition*, 108, 100-116.
29. Evans, J. St. B. T., Handley, S. J., & Neilens, H. (2008). Understanding causal conditionals: A study of individual differences. *Quarterly Journal of Experimental Psychology*, 61, 1291-1297.
30. Bacon, A. M., Handley, S. J., Dennis, I. & Newstead, S. E. (2008). Reasoning strategies: The role of working memory and verbal-spatial ability. *European Journal of Cognitive Psychology*, 20, 1065-1086.
31. Carder, H. P., Handley, S. J., & Perfect, T. J. (2008). Counterintuitive and alternative move choice in the Water Jug task. *Brain and Cognition*, 66, 11-20.

32. Elqayam, S., Handley, S. J., Evans, J. St. B. T., & Bacon, A. (2008). On some limits of hypothetical thinking. *Quarterly Journal of Experimental Psychology*, *61*, 784-808.
33. Morsanyi, M., & Handley, S. J. (2008). How smart do you have to be to get it wrong? The role of cognitive capacity in the development of heuristic based judgment. *Journal of Experimental Child Psychology*, *99*, 18-36.
34. Thomas, K. E. & Handley, S. J. (2008). Considering the relevant and irrelevant: Anchoring in judgments of future task duration. *Acta Psychologica*, *127*, 24-29.
35. Hadjichristidis, C., Handley, S. J., Sloman, S. A., Evans, J. St. B. T., Over, D. E., & Stevenson, R. J. (2007). Iffy beliefs: Conditional thinking and belief change. *Memory and Cognition*, *35*, 2052-2059.
36. Handley, S. J. & Feeney, A. (2007). Semi-factual: Byrne's account of even-if. *Brain and Behavioral Science*, *30*, 458-459.
37. Over, D. E., Hadjichristidis, C., Evans, J. St. B. T., Handley, S. J., & Sloman, S. A. (2007). The probability of causal conditionals. *Cognitive Psychology*, *54*, 62-97.
38. Evans, J. St. B. T., Handley S. J. & Neilens, H. (2007). Thinking about conditionals: A study of individual differences. *Memory and Cognition*, *35*, 1772-1784.
39. Evans, J. St. B. T., Handley, S.J., Hadjichristidis, C., Thompson, V., Over, D. E. & Bennett, S. (2007). On the basis of belief in causal and diagnostic conditionals. *Quarterly Journal of Experimental Psychology*, *60*, 635-643.
40. Thomas, K.E., Handley, S. J., & Newstead, S. E. (2007). The role of prior task experience in temporal misestimation. *Quarterly Journal of Experimental Psychology*, *60*, 230-240.
41. Bacon, A.M, Handley, S.J. & McDonald, E. L. (2007). Reasoning and dyslexia: A spatial strategy may impede reasoning with visually rich information. *British Journal of Psychology*, *98*, 79-92.
42. Handley, S.J., Evans, J. St. B. T. & Thompson, V. A. (2006). The negated conditional. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *32*, 559-569.
43. Feeney, A., & Handley, S. J. (2006). Comparisons between decision makers and the action effect in judgments of regret. *Memory and Cognition*, *34*, 1422-1430.
44. Markovits, H., & Handley, S. J. (2005). Is inferential reasoning just probabilistic reasoning in disguise? *Memory and Cognition*, *33*, 1315-1323.
45. Newstead, S. E., Bradon, P., Handley, S. J., Dennis, I., & Evans, J. St. B. T. (2006). Predicting the difficulty of complex logical reasoning problems. *Thinking and Reasoning*, *12*, 62-90.
46. Evans, J.St.B.T., Over, D.E. & Handley, S.J. (2005). Suppositions, extensionality and conditionals: a critique of the model theory of Johnson-Laird & Byrne (2002). *Psychological Review*, *112*, 1040-1052.

47. Thompson, V. A., Evans, J. St. B. T. & Handley, S. J. (2005). Persuading and dissuading by conditional argument. *Journal of Memory and Language*, 53, 238-257.
48. Carder, H., Handley, S. J. & Perfect, T. (2004). Deconstructing the Tower of London: Alternative moves and conflict resolution as predictors of task performance. *Quarterly Journal of Experimental Psychology*, 57, 1459-1483.
49. Feeney, A., Scrafton, S., Duckworth, A. & Handley, S. J. (2004). The story of Some: Everyday pragmatic inference by children and adults. *Canadian Journal of Experimental Psychology*, 58, 120-131.
50. Morley, N. J., Evans, J. St. B. T., & Handley, S. J. (2004). Belief Bias and Figural Bias in Syllogistic Reasoning. *Quarterly Journal of Experimental Psychology*, 57, 666-692.
51. Thomas, K., Handley, S.J. & Newstead, S.E. (2004). The effects of prior experience on estimating the duration of simple tasks. *Cahiers de Psychologie Cognitive*.
52. Handley, S.J., Capon, A., Beveridge, M., Dennis, I., & Evans, J.St.B.T. (2004). Working memory and inhibitory control in the development of children's reasoning. *Thinking and Reasoning*, 10, 175-196.
53. Newstead, S.E., Handley, S. J., Harley, C., Wright, H. & Farrelly, D. (2004). Individual differences in deductive reasoning. *Quarterly Journal of Experimental Psychology*, 57, 33-60.
54. Bacon, A., Handley, S. J. & Newstead, S. E. (2003). Individual differences in strategies for syllogistic reasoning. *Thinking and Reasoning*, 9, 97-132.
55. Capon, A., Handley, S. J. & Dennis, I. (2003). Working Memory and Reasoning: An individual differences perspective. *Thinking and Reasoning*, 9, 203-244.
56. Evans, J.St.B.T., Handley, S.J., & Over, D.E. (2003). Conditionals and conditional probability. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 29, 321-355.
57. Feeney, A., Handley, S.J., & Kentridge, R. W. (2003). Deciding between accounts of the selection task: A reply to Oaksford. *Quarterly Journal of Experimental Psychology*, 56A, 1079-1088.
58. Schroyens, W., Schaeken, W., & Handley, S. J. (2003). In search of counter-examples: Deductive rationality in human reasoning. *Quarterly Journal of Experimental Psychology*, 56A, 1129-1145.
59. Thomas, K.E., Newstead, S.E., & Handley, S.J. (2003). Exploring the time prediction process: The effects of task experience and complexity on prediction accuracy. *Applied Cognitive Psychology*, 17, 655-673.
60. Evans, J. St. B. T., Handley, S. H., Over, D. E., & Perham, N. (2002). Background beliefs in Bayesian inference. *Memory and Cognition*, 30, 179-190.



61. Handley, S.J., Feeney, A. & Harper, C. (2002). Alternative antecedents, probabilities and the suppression of fallacies in Wason's selection task. *Quarterly Journal of Experimental Psychology*, 55A, 799-818.
62. Handley, S.J., Capon, A., Copp, C., & Harper, C. (2002). Conditional reasoning and the Tower of Hanoi: The role of verbal and spatial working memory. *British Journal of Psychology*, 93, 501-518.
63. Newstead, S.E. Thompson, V.A., & Handley, S.J. (2002). Generating alternatives: A key component in human reasoning. *Memory and Cognition*, 30, 129-137.
64. Evans, J.St.B.T., Handley, S.J. & Harper, C. (2001). Necessity, possibility and belief: A study of syllogistic reasoning. *Quarterly Journal of Experimental Psychology*. 54A, 935-958.
65. Evans, J.St.B.T., Handley, S.J., Perham, N., Over, D.E. & Thompson, V.A. (2000). Frequency versus probability formats in statistical word problems. *Cognition*, 77, 197-213.
66. Feeney, A. & Handley, S.J. (2000). The suppression of "q" card selections: Evidence for deductive inference in Wason's Selection Task. *Quarterly Journal of Experimental Psychology*, 53A, 1224-1243.
67. Handley, S.J. & Evans, J.St.B.T. (2000). Supposition and representation in human reasoning. *Thinking and Reasoning*, 6, 273-312.
68. Handley, S. J. & Feeney, A. (2000). Deduction in the selection task. *Psychology*, 1 (108)
69. Evans, J.St.B.T., Handley, S.J., Harper, C & Johnson-Laird, P.N. (1999). Reasoning about necessity and possibility: A test of the mental model theory of deduction. *Journal of Experimental Psychology: Learning Memory and Cognition*, 25, 1495-1513.
70. Evans, J.St.B.T., & Handley, S.J. (1999). The role of negation in conditional inference. *Quarterly Journal of Experimental Psychology*, 52A (3), 739-769.
71. Newstead, S.N., Handley, S.J. and Buck, E. (1999). Falsifying mental models: Testing the predictions of theories of mental models. *Memory and Cognition*, 27, 344-354.
72. Evans, J.St.B.T., Handley, S.J., & Buck, E.J., (1998). Ordering of information in conditional reasoning: A test of the mental model theory of deduction. *British Journal of Psychology*, 89, 383-403
73. Byrne, R.M.J. & Handley, S.J. (1997). Reasoning strategies for suppositional deductions. *Cognition*, 62, 1-49.
74. Byrne, R.M.J., Handley, S.J. & Johnson-Laird, P.N. (1995). Reasoning from Suppositions. *Quarterly Journal of Experimental Psychology*, 48, 915-944.
75. Byrne, R.M.J. and Handley, S. J. (1992). Reasoning Strategies. *Irish Journal of Psychology*, 13, 111-124.

## Book Chapters

1. Howarth, S., & Handley, S. J. (2016). Belief bias, base rates and moral judgment: re-evaluating the default interventionist dual process account. In N. Galbraith, E. Lucas & D. E. Over (Eds.), *The Thinking Mind*. Psychology Press.
2. Morsanyi, K., & Handley, S.J. (2013). Heuristics and biases - Insights from developmental studies. In P. Barouillet & C. Gauffroy (Eds.) *The Development of Thinking and Reasoning*. Psychology Press.
3. Morsanyi, K., & Handley, S.J. (2012). Does thinking make you biased? The case of the engineers and lawyers problem. In N. Miyake, D. Peebles & R.P. Cooper (Eds.), *Proceedings of the 34th Annual Conference of the Cognitive Science Society* (pp. 2049-2054). Austin, TX: Cognitive Science Society.
4. Morsanyi, K., Handley, S.J. & Evans J.S.B.T. (2009). Heuristics and biases in autism: Less biased but not more logical. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society* (pp. 75-80). Austin, TX: Cognitive Science Society
5. Feeney, A., & Handley, S.J. (2011). Suppositions, Conditionals and Causal Claims. In Hoerl, C., McCormack, T. & Beck, S. R. *Understanding Counterfactuals, Understanding Causation*. Oxford: Oxford University Press.
6. Handley, S.J., Newstead, S.E., & Neilens, H. (2011). Thinking before you decide on the selection task: Matching bias requires analytic reasoning. In K. Manktelow, D. Over & S. Elqayam (Eds.). *The Science of Reasoning*. Hove: Psychology Press
7. Bacon, A.M. & Handley, S.J. (2010). Dyslexia, reasoning and the importance of visual-spatial processes. In N. Alexander-Passe (Ed.). *Dyslexia and Creativity: Investigations from Differing Perspectives* (pp. 25-49). New York: Nova.
8. Handley, S.J. & Feeney, A. (2007). Representation, pragmatics and process in model based reasoning. In W. Schaeken, A. Vandierendonck, W. Schroyens, & G. d'Ydewalle (Eds.). *The Mental models theory of reasoning: Refinements and extensions*. Hove, UK: Lawrence Erlbaum.
9. Nielens, H. L., Handley, S.J. & Newstead, S. E. (2005). Dual processes and training in statistical principles. *Proceedings of the 27<sup>th</sup> Annual Meeting of the Cognitive Science Society*.
10. Elqayam, S., Handley, S. J. & Evans, J. St. B. T. (2005). The limits of supposing: Semantic illusions and conditional probability. *Proceedings of the 27<sup>th</sup> Annual Meeting of the Cognitive Science Society*.
11. Thomas, K. E., Newstead, S. E. & Handley, S. J. (2004). The impact of prior task experience on bias in predictions of duration. In K. D. Forbus, D. Gentner & T. Regier (Eds.). *Proceedings of the 26<sup>th</sup> Annual Meeting of the Cognitive Science Society* (pp. 1339-1344). Mahwah, NJ: Lawrence Erlbaum Associates.

12. Bacon, A.M., Handley, S.J. and Newstead, S.E. (2004). Verbal and spatial strategies in reasoning. In Roberts, M. and Newton, E. (Eds.). *Methods of Thought: Individual Differences in Reasoning Strategies*. Hove: Psychology Press.
13. Evans, J.St.B.T., Handley, S.J., Over, D.E. (2007). Rethinking the model theory of conditionals. In W. Schaeken, A. Vandierendonck, W. Schroyens, & G. d'Ydewalle (Eds.). *The Mental models theory of reasoning: Refinements and extensions*. Hove, UK: Lawrence Erlbaum.
14. Handley, S.J. & Feeney, A. (2004). Reasoning and pragmatics: The case of even-if. In I. Noveck & D. Sperber (Eds.). *Towards an experimental pragmatics*. Palgrave.
15. Evans, J.St.B.T., Over, D.E. & Handley, S.J. (2003). A theory of hypothetical thinking. In D. Hardman & L. Maachi (Eds.). *The psychology of reasoning and decision making*. Chichester: Wiley.
16. Dennis, I., Handley, S.J., Bradon, P., Evans, J. St. B. T. & Newstead, S.E. (2002). Towards a predictive model of the difficulty of analytical reasoning items. In S.H. Irvine and P. Kyllonen (Eds.). *Item generation and test development*. London: Erlbaum.
17. Newstead, S.E., Bradon, P., Handley, S.J., Evans, J. St. B. T. & Dennis, I. (2002). Using the psychology of reasoning to predict the difficulty of analytical reasoning problems. In S.H. Irvine and P. Kyllonen (Eds.) *Item generation and test development*. London: Erlbaum.
18. Feeney, A., & Handley, S.J. (2001). Testing hypotheses about mechanical devices. In *Proceedings of the 23rd Annual Conference of the Cognitive Science Society*, (Eds. Moore, & Stenning). Mahwah, NJ.: LEA pp273-278
19. Handley, S.J., Dennis, I., Evans, J.ST.B.T., & Capon, A. (2000) Individual Differences and the Search for Counter-examples in Syllogistic Reasoning. In W.Schaeken, G. DeVooght, A. Vandierendonck & G. d'Ydewalle (Eds.), *Deductive reasoning and strategies*. pp. 241-265. Hillsdale: Erlbaum.
20. Handley, S.J., Newstead, S.E., & Wright, H. (2000). Rational and Experiential Thinking: A study of the REI. In R. Riding & S. Raynor (Eds.), *International Perspectives on Individual Differences*, Volume 1, pp 97-113. Stamford, CT: Ablex.
21. Lambell, N. J., Evans, J.St.B.T. & Handley, S.J. (1999). Belief bias, logical reasoning and presentation order on the syllogistic evaluation task. In M.Hahn & S.C. Stoness (Eds.): *Proceedings of the Twenty First Annual Conference of the Cognitive Science Society*. Lawrence Erlbaum Associates, NJ.
22. Feeney, A. & Handley, S.J. (1998). The suppression of card selections in Wason's selection task: Evidence that inference plays a role. In M. Gernsacher (Ed.), *Proceedings of the Cognitive Science Society*, pp. 221 - 227.
23. Handley, S.J. & Buck, E. (1997). Relevance and representation in human reasoning. In M. Groefsema (Ed.), *Proceedings of the Relevance Theory*

Workshop, 27-29 October, 1995. pp90-105. Chelmsford: Peter Thomas and Associates.

24. Byrne, R.M.J. and Handley, S. J. (1993). The nature and development of meta-deductive reasoning strategies. In K. Ryan and R.F.E. Sutcliffe (Eds). *AI and Cognitive Science '92*. London: Springer-Verlag. pp. 59-70.
25. Byrne, R.M.J., Johnson-Laird, P.N. and Handley, S.J. (1993). Who's telling the truth....Cognitive processes in meta-deductions. In H.Sorenson (Ed). *AI and Cognitive Science '91*. London: Springer-Verlag, pp. 221-233.
26. Byrne, R.M.J., Handley, S.J. and Johnson-Laird, P.N. (1992). Advances in the Psychology of Reasoning: Meta-deduction. In Keane, M.T. and Gilhooly, K. (Eds). *Advances in the psychology of thinking, Vol 1*. London: Harvester Wheatsheaf. pps 127-145.

## **Research Funding Record**

### **Research council funding**

1. ESRC, £30,495, April 1996 to October 1997, Professor Jonathan Evans and Dr. Simon Handley , Necessary and possible inferences.
2. ESRC, £33,015, August 1996 to March 1998, Dr. Simon Handley and Dr. John Clibbens., Models, counter-examples and belief in children's reasoning.
3. ESRC, £42,404, October 1997 to October 1999, Professor Jonathan Evans, Professor David Over and Dr. Simon Handley, Implicit and explicit representation of probabilities.
4. ESRC, £45,263, June 1999 to June 2001, Professor Steve Newstead and Dr. Simon Handley, Individual differences in reasoning and decision making.
5. ESRC, £43,000, October 2002 to October 2003, Professor Jonathan Evans, Professor David Over, Dr. Simon Handley and Dr. Steve Sloman, Evaluating the probability of conditionals,.
6. ESRC, £47,000, April 2004 to August 2005, Dr. Simon Handley, Dr. Shira Elqayam and Professor Jonathan Evans, Semantic illusions in Hypothetical thinking.

7. ESRC, £46,000, August 2004 to July 2005, Ms. Hassina Carder, Dr. Simon Handley and Professor Tim Perfect, Alternative move choice and processing demands in executive tasks.
8. ESRC, £99,000, December 2004 to May 2007, Professor Jonathan Evans, Dr. Simon Handley and Professor David Over, Hypothetical thinking with conditional sentences.
9. ESRC, £47,000, February 2005 to July 2006, Dr. Simon Handley and Professor Henry Markovits, Knowledge activation and inhibition in children's reasoning.
10. ESRC, £46,000, September 2005 to August 2006, Professor Jonathan Evans, Dr. Alison Bacon and Dr. Simon Handley, An investigation of dual processes in conditional reasoning.
11. ESRC CASE, £45,000 + £8,000 from LSC, Devon and Cornwall, October 2005 to September 2008, Dr. Simon Handley and Dr. Ian Dennis. The development of vocational interests and abilities.
12. ESRC, £100,000, October 2006 to March 2008, Dr. Alison Bacon and Prof. Simon Handley. Dyslexia and the impact of strategy preference on reasoning.
13. ESRC studentship competition, £50,000. September 2007 to September 2011, Prof Simon Handley and Daniel Zahra. Reasoning and Emotion.
14. ESRC studentship competition, £50,000. September 2008 to September 2012. Prof. Simon Handley and Rebecca Hafner. Counterfactuals and the excess choice effect.
15. Higher Education Academy, £6,000, October 2008 to September 2009, Kinga Morsanyi and Simon Handley, Overcoming the side effects of statistics education: Developing educational tools for eliminating bias.
16. Royal Society International Joint Project, £12,000, January 2011 to December 2012. Prof. Simon Handley and Dr. Caterina Primi Developmental trends and Individual differences in probabilistic reasoning.

## **Other Funding**

Educational Testing Service, Princeton, U.S.A, £355,533, 1997 to 2002, with Dr Ian Dennis, Professor Steve Newstead and Professor Jonathan Evans. The development of an algorithm for generating analytical reasoning items.

Learning and Skills Council, Plymouth College of Further Education and Devonport High School for Boys, £30,000, March 2002 to December 2004, Dr Simon Handley and Dr. Ian Dennis, The development of an engineering aptitude measure for Year 7 pupils.

Learning and Skills Council, Devon and Cornwall. CASE award, £8,000, October, 2005 to January 2009, Dr. Simon Handley and Dr. Ian Dennis, The development of vocational interests and abilities.

Unilever research and development, £30,789, October 2005 to March 2006, Dr. Simon Handley and Dr. Clare Walsh, The role of expectation and explanation in belief revision.

Law School Admissions Council, £5,000, July to September 2005, Dr. Simon Handley and Dr. Ian Dennis, Analytical Reasoning and Cognitive Skills: Towards the development of diagnostic categories.

## **PhD supervision**

### **PhD completions**

Howarth	2015	Intuitive logic and effortful beliefs	School-funded
Trippas	2013	Reasoning and beliefs	School-funded
Zahra	2013	Reasoning and Emotion	ESRC funded
Hafner	2012	Counterfactual and excess choice	ESRC funded
Kerss	2012	Decision making in older adults	School-funded
Bennett	2012	The development of vocational interests	ESRC CASE
Gabe Thomas	2012	Risk taking, sensation seeking and warnings	EPSRC
Serpell	2011	The search for counterexamples in reasoning	Self-funded
Morsanyi	2010	Development of reasoning heuristics in autism	School funded
McKenzie, B.	2009	Conditional reasoning and autism	School funded
Arreckx, F.	2007	Counterfactual Thinking and the false belief task	School funded
Neilens, H.	2005	Training and dual processes in human reasoning	ESRC funded

Carder, H.	2004	Deconstructing the Tower of London	ESRC funded
Thomas, K.	2004	The planning fallacy,	ESRC funded
Bacon, A.	2003	Strategies in human reasoning	ESRC funded
Capon, A.	2000	Working memory and human reasoning	ESRC funded
Lambell, N.	1998	Belief Bias in reasoning	BBSRC

### **Other Research activity**

Member of the UK Economic and Social Research Council Training and Skills Committee 2012 to 2015

Chair of the ESRC Future Research Leaders Sift and Commissioning Panels 2013, 2014, 2015

ESRC Postgraduate Training Framework Peer Review College, 2010

Member of the ESRC Board of Examiners (studentship competition, 2001 to 2004)

Member of the ESRC College of Assessors for Postdoctoral Fellowship Awards.

External reviewer of ESRC research grant applications

Rapporteur on ESRC end of grant reports

External PhD examiner, Erica Lucas, University of Derby, 2007

External PhD examiner, Stephen Kilpatrick, University of Wolverhampton, 2007.

External PhD examiner, Simon McNair, Queens University, Belfast, 2013

### **Editorial work**

Editorial Board, Thinking and Reasoning.

Editorial Board, Memory and Cognition

Reviewer for:

Journal of Experimental Psychology: Learning Memory and Cognition, Cognitive Psychology, Memory and Cognition, Journal of Memory and Language, Trends in Cognitive Science, Quarterly Journal of Experimental Psychology, Brain and Behavioral Sciences, Cognition, Thinking and Reasoning, British Journal of Psychology, Experimental Psychology, Psychonomic Bulletin and Review, Acta Psychologica, European Journal of Cognitive Psychology, Applied Cognitive Psychology, Ergonomics, Perspectives on Psychological Science, Synthese.

