

Single case studies – Resources

Further information on single case designs

Maggie Vance has produced an [editorial](#) and a [presentation](#) on single case studies.

Critical appraisal of single case studies

- [The SCED scale](#) was developed by Tate et al and is freely available on PsycBITE. It is used for the critical appraisal of single case experimental designs.
- “[Risk of Bias in N=1 Trials \(RoBiNT\) scale](#)” paper – This is the update of the SCED scale and a tool to appraise single case studies critically.

Data analysis

- [Data analysis tools by John Crawford](#) allow you to calculate very simply whether scores for an individual case are significantly different to a set of control scores.
- Olive, M. L., & Smith, B. W. (2005), “[Effect size calculations and single subject designs](#)” *Educational Psychology*, 25 (2-3), 313-324

AAC case studies

- Communication Matters collates a database of AAC case studies, and is seeking submissions from professionals working with AAC.
- An AAC [Case Study template](#), developed by the University of Manchester is available on the Communication Matters Research website.
- Murray, J., Martin, A., Pennington, L., Marshall, J., Enderby, P., & Goldbart, J., “[A case study template to support experimental design in Augmentative and Alternative Communication and Assistive technology](#)” *Disability & Rehabilitation: Assistive Technology*, January 2014, Vol. 9, No. 1, Pages 60-69

References

- Nind M (1996) [Efficacy of Intensive Interaction](#): developing sociability and communication in people with severe and complex learning difficulties using an approach based on caregiver-infant interaction, *European Journal of Special Needs Education*, 11:1, 48-66
- Olive, M. L., & Smith, B. W. (2005), “Effect size calculations and single subject designs,” *Educational Psychology*, 25 (2-3), 313-324 – This paper has a brief review of reliable ways to measure change and effect size (amount of change) in single-subject designs.

- Kazdin, Alan E., (2010), [Single-Case Research Designs: Methods for Clinical Applied Settings](#)
- Romeiser-Logan et al, (2008), "[Single-subject research design: recommendations for levels of evidence and quality rating](#)", *Developmental Medicine & Child Neurology*, 50, 99-103
- Tate et al. (2008), "[Rating the methodological quality of single-subject designs](#) and n-of-1 trials: Introducing the Single-Case Experimental Design (SCED) Scale", *Neuropsychological Rehabilitation* 18: 385-401
- Vance M, Clegg J (2012) Use of single case study research in child speech, language and communication interventions, *Child Language Teaching and Therapy* 28: 255-258, <http://clt.sagepub.com/content/28/3/255.full.pdf+html>