

Taren Sanders

RESEARCHER & DATA SCIENTIST

Institute for Positive Psychology and Education, Australian Catholic University

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Education

Doctor of Philosophy

WESTERN SYDNEY UNIVERSITY

2016

- Thesis title: Investigating Associations Between Neighbourhood Green Space and Weight Status: A Longitudinal Study of Australian Children Aged 4 to 13 Years Old.

Bachelor of Health Science (Honours; First Class)

WESTERN SYDNEY UNIVERSITY

2012

- Thesis title: Measuring adolescent boys' physical activity: Bout length and the influence of accelerometer epoch length.

Bachelor of Health Science (PDHPE)

WESTERN SYDNEY UNIVERSITY

2011

Employment History

Program Leader

INSTITUTE FOR POSITIVE PSYCHOLOGY AND EDUCATION, AUSTRALIAN CATHOLIC UNIVERSITY

2021–Current

- Drive the strategic direction and focus of the research program
- Support academic and professional staff, as well as higher-degree students, within the program
- Provide input as a member of the Institute Executive Management Committee on the priorities of the institute, and advocate for my research program
- Developed and implemented new project management processes within the program, including making agile management strategies standard practice.

Deputy Program Leader

INSTITUTE FOR POSITIVE PSYCHOLOGY AND EDUCATION, AUSTRALIAN CATHOLIC UNIVERSITY

2017–2021

- Supported Program Leader to manage the research program

Research Fellow

INSTITUTE FOR POSITIVE PSYCHOLOGY AND EDUCATION, AUSTRALIAN CATHOLIC UNIVERSITY

2016–Current

- Conduct original, high-impact, and translational research in the areas of health, education, and psychology.
- Overseen the development and evaluation of multiple large-scale school-based research projects, including iPLAY (145 schools) and Transform-Us! (20 schools in NSW). Intervention content I created has been delivered to more than 2,500 teachers and impacted more than 40,000 students.
- Conducted analyses of primary and secondary data, and provided statistical support to colleagues including statistics workshops.
- Worked with industry partners (NSW Department of Education, NSW Health, Sport Australia) to provide project updates and seek input.
- Author and co-author academic outputs, including book chapters, journal articles, and grant applications, as well as non-academic outputs such as stakeholder reports and data visualisations.
- Mentor doctoral and honours students, including reviewing and evaluating their analyses and writing.

Research Summary

Publications	Citations	h-Index	Mean CNCI	Mean Impact Factor	Funding
31	1036	16	2.2	6.8	> \$1 million

Technical Skills

Programming Languages

R, PYTHON, STATA, JULIA

Software Development

R PACKAGES (INCLUDING CRAN SUBMISSION), PYTHON PACKAGES

Statistical Methods

MACHINE LEARNING (INCL. COMPUTER VISION), MULTILEVEL MODELLING, INTERVENTION EVALUATION, GROWTH CURVE MODELLING

Research Methods

STUDY DESIGN, INTERVENTION DEVELOPMENT, ETHICS AND RECRUITMENT

Selected Publications

For a full list of publications see my full CV (bit.ly/SandersCV).

PEER-REVIEWED PUBLICATIONS

Antczak, D., Lonsdale, C., del Pozo Cruz, B., Parker, P., & **Sanders, T.** (2021). Reliability of GENEActiv accelerometers to estimate sleep, physical activity, and sedentary time in children. *International Journal of Behavioral Nutrition and Physical Activity*, 18(1), 73. <https://doi.org/10.1186/s12966-021-01143-6> | Citations: 2; JIF: 6.5; CNCI: 1.4

Noetel, M., Griffith, S., Delaney, O., Harris, N. R., **Sanders, T.**, Parker, P., del Pozo Cruz, B., & Lonsdale, C. (2021). Multimedia Design for Learning: An Overview of Reviews With Meta-Analysis. *Review of Educational Research*. <https://doi.org/10.3102/00346543211052329> | JIF: 12.6

Lee, J., **Sanders, T.**, Antczak, D., Parker, R., Noetel, M., Parker, P., & Lonsdale, C. (2021). Influences on User Engagement in Online Professional Learning: A Narrative Synthesis and Meta-Analysis. *Review of Educational Research*, 91(4), 518–576. <https://doi.org/10.3102/0034654321997918> | JIF: 12.6

Lonsdale, C., **Sanders, T.**, Parker, P., Noetel, M., Hartwig, T., Vasconcellos, D., Lee, J., Antczak, D., Kirwan, M., Morgan, P., Salmon, J., Moodie, M., McKay, H., Bennie, A., Plotnikoff, R. C., Cinelli, R., Greene, D., Peralta, L., Cliff, D., ... Lubans, D. R. (2021). Effect of a Scalable School-Based Intervention on Cardiorespiratory Fitness in Children: A Cluster Randomized Clinical Trial. *JAMA Pediatrics*, 175(7), 680. <https://doi.org/10.1001/jamapediatrics.2021.0417> | Citations: 2; JIF: 16.2; CNCI: 2

Noetel, M., Griffith, S., Delaney, O., **Sanders, T.**, Parker, P., del Pozo Cruz, B., & Lonsdale, C. (2021). Video Improves Learning in Higher Education: A Systematic Review. *Review of Educational Research*, 91(2), 204–236. <https://doi.org/10.3102/0034654321990713> | Citations: 5; JIF: 12.6; CNCI: 3.6

Hartwig, T. B., **Sanders, T.**, Vasconcellos, D., Noetel, M., Parker, P. D., Lubans, D. R., Andrade, S., Ávila-García, M., Bartholomew, J., Belton, S., Brooks, N. E., Bugge, A., Caverio-Redondo, I., Christiansen, L. B., Cohen, K., Coppinger, T., Dyrstad, S., Errisuriz, V., Fairclough, S., ... del Pozo Cruz, B. (2021). School-based interventions modestly increase physical activity and cardiorespiratory fitness but are least effective for youth who need them most: An individual participant pooled analysis of 20 controlled trials. *British Journal of Sports Medicine*. <https://doi.org/10.1136/bjsports-2020-102740> | Citations: 12; JIF: 13.8; CNCI: 6.4

Antczak, D., Lonsdale, C., Lee, J., Hilland, T., Duncan, M. J., del Pozo Cruz, B., Hulteen, R. M., Parker, P. D., & **Sanders, T.** (2020). Physical activity and sleep are inconsistently related in healthy children: A systematic review and meta-analysis. *Sleep Medicine Reviews*, 51, 101278. <https://doi.org/10.1016/j.smr.2020.101278> | Citations: 14; JIF: 11.6; CNCI: 1.5

Vella, S. A., Swann, C., Boydell, K. M., Eckermann, S., Fogarty, A., Hurley, D., Liddle, S. K., Lonsdale, C., **Sanders, T.**, Schweickle, M. J., Telenta, J., & Deane, F. P. (2019). Sports-based mental health promotion in Australia: Formative evaluation. *Psychology of Sport and Exercise*, 45, 101560. <https://doi.org/10.1016/j.psychsport.2019.101560> | Citations: 6; JIF: 4.8; CNCI: 0.9

Sanders, T., Parker, P. D., del Pozo-Cruz, B., Noetel, M., & Lonsdale, C. (2019). Type of screen time moderates effects on outcomes in 4013 children: Evidence from the Longitudinal Study of Australian Children. *International Journal of Behavioral Nutrition and Physical Activity*, 16(1), 1–10. | Citations: 34; JIF: 6.5; CNCI: 3.9

Sanders, T., Feng, X., Fahey, P. P., Lonsdale, C., & Astell-Burt, T. (2015). The influence of neighbourhood green space on children's physical activity and screen time: Findings from the longitudinal study of Australian children. *International Journal of Behavioral Nutrition and Physical Activity*, 12(1), 126. <https://doi.org/10.1186/s12966-015-0288-z> | Citations: 48; JIF: 6.5; CNCI: 2.4

BOOK CHAPTERS

Parker, P., Guo, J., & **Sanders, T.** (2019). Socioeconomic Inequality and Student Outcomes in Australia. In L. Volante, S. V. Schnepf, J. Jerrim, & D. A. Klinger (Eds.), *Socioeconomic Inequality and Student Outcomes: Cross-National Trends, Policies, and Practices* (pp. 189–204). Springer Singapore. https://doi.org/10.1007/978-981-13-9863-6_11