



# Nicholas Tierney

## Research Fellow

November 2018

- 📍 Monash University, Australia
- 🏠 [njtierney.com](http://njtierney.com)
- ✉ [nicholas.tierney@gmail.com](mailto:nicholas.tierney@gmail.com)
- 🐦 [nj\\_tierney](https://twitter.com/nj_tierney)
- 🐙 [njtierney](https://github.com/njtierney)

## About me

Constantly excited about #rstats

### Welcome

This is my resume, I'd like some jobs please.

### Education

- 2008 - 2012 Bachelor of Psychological Science (Honours) University of Queensland  
Brisbane
- 2013 - 2018 PhD (Statistics) Queensland University of Technology  
Brisbane

### R Packages

- 2018 Preliminary Visualisation of Data. Create preliminary exploratory data visualisations of an entire dataset to identify problems or unexpected features using 'ggplot2'.
- 2018 Data Structures, Summaries, and Visualisations for Missing Data. Missing values are ubiquitous in data and need to be explored and handled in the initial stages of analysis. 'naniar' provides data structures and functions that facilitate the plotting of missing values and examination of imputations. This allows missing data dependencies to be explored with minimal deviation from the common work patterns of 'ggplot2' and tidy data.

### Selected talks

- 2018 Empowering people with community, software, and peer review  
\*\*RUCK: R Users Conference Korea (Invited Keynote speaker)\*\*  
Seoul, Korea
- 2018 Find the best locations for facilities using 'maxcovr' UseR! 2018  
Brisbane, Australia
- 2018 Now you see it? Now you don't? The role of graphics in identifying MCMC convergence (Awarded Runner up Pitman Prize for Young Statistician) ISCB-ASC  
Melbourne, Australia

## Publications

2016	A Simple Guide to S3 Methods arXiv preprint arXiv: • citations: 0	N Tierney
2018	Expanding tidy data principles to facilitate missing data exploration, visualization and assessment of imputations arXiv preprint arXiv: • citations: 0	NJ Tierney, DH Cook
2012	How sharp is sharp? The effect of monocular texture on enhancing sharpness • citations: 0	N Tierney
2018	Novel relocation methods for automatic external defibrillator improve out-of-hospital cardiac arrest coverage under limited resources Resuscitation • citations: 0	NJ Tierney, HJ Reinhold, A Mira, M Weiser, R Burkart, C Benvenuti, ...
2017	P2768Relocation of automatic external defibrillator: A novel optimization strategy to improve coverage of out of hospital cardiac arrest in a time of limited financial resources European Heart Journal • citations: 0	NJ Tierney, A Mira, J Reinhold, M Weiser, R Burkart, C Benvenuti, ...
2018	Statistical approaches to revealing structure in complex health data Queensland University of Technology • citations: 0	NJ Tierney
2008	Statistical Methods for Hospital Monitoring Wiley StatsRef: Statistics Reference Online • citations: 6	A Morton, M Whitby, N Tierney, N Sibanda, K Mengersen
2015	Using decision trees to understand structure in missing data BMJ Open • citations: 8	N Tierney, F Harden, M Harden, K Mengersen
2017	visdat: Visualising Whole Data Frames The Journal of Open Source Software • citations: 1	N Tierney
2016	Visualisation and statistical modelling techniques for the management of inventory stock levels ANZIAM • citations: 0	WL Sweatman, J McGree, CJ Carstens, KJ Foster, S Liu, N Tierney, ...