

# MATTHEW J. TUDBALL

## CONTACT

Oakfield House  
Oakfield Grove, Bristol, BS8 2BN  
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## EDUCATION

**Doctor of Philosophy (PhD)**, Sensitivity analyses for causal inference (Wellcome Trust funded), MRC Integrative Epidemiology Unit, University of Bristol, 2018 - 2022  
Visiting PhD student, Statistical Laboratory, University of Cambridge, 2019-2022

**Master of Arts (Doctoral Stream)**, Economics, University of Toronto, 2016 - 2017

**Honours Bachelor of Science**, Joint Specialist in Economics and Mathematics (High Distinction), University of Toronto, 2011 - 2016

**Selected Modules:** PhD Econometrics I & II, Mathematical Statistics I & II, Statistical Computation.

## PRE-PRINTS AND PUBLICATIONS

\* Sole and joint first author publications marked with an asterisk.

**Tudball, M.\***, Bowden, J., Hughes, R. A., Ly, A., Munafò, M. R., Tilling, K., Zhao, Q., Davey Smith, G. (2020). Mendelian randomisation with coarsened exposures. Forthcoming, *Genetic Epidemiology*.

Griffith, G., Morris, T., **Tudball, M.\***, Herbert, A., Mancano, G., ..., Hemani, G. (2020). Collider bias undermines our understanding of COVID-19 disease risk and severity. *Nature Communications*.

**Tudball, M.\***, Zhao, Q., Hughes, R., Tilling, K., Bowden, J. An interval estimation approach to sample selection bias. arXiv:1906.10159 [stat.ME]. *Under review*.

Kroft, K., Lange, L., Notowidigdo, M., **Tudball, M.\***. (2019). Long time out: Unemployment and joblessness in Canada and the United States. *Journal of Labour Economics*.

## CONTRIBUTED TALKS

“The effect of alcohol consumption on child outcomes among breastfeeding mothers”. Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting. Online. December, 2020.

“An interval estimation approach to sample selection bias”. Mendelian Randomisation Conference. Bristol, United Kingdom. July, 2019.

“An interval estimation approach to sample selection bias”. Society for Epidemiologic Research Annual Meeting. Minneapolis, United States. June, 2019.

“An interval estimation approach to sample selection bias”. European Causal Inference Meeting. Bremen, Germany. March, 2019.

## INVITED TALKS

“Selection bias in clinical trials and electronic health records”. Statistical Methodology Group, Novartis Pharmaceuticals. Online. November, 2020.

“Mendelian randomisation with coarsened exposures”. Mendelian Randomisation Working Group, University of Exeter. Online. October, 2020.

**REVIEWER EXPERIENCE**

Statistics in Medicine (2020).

**COMPUTER SKILLS**

R, Stata, Python, L<sup>A</sup>T<sub>E</sub>X.

**HONOURS AND AWARDS**

Wellcome Trust 4-year PhD Studentship (2018)

University of Toronto Graduate Fellowship (2016)

Dr. James A. & Connie P. Dickson Scholarship in Science and Math (2016)

University of Toronto Excellence Award (2016)

Dean's List (2011 - 2016)

University of Toronto Excellence Award (2014)

University of Toronto In-Course Scholarship (2014)

Mary Keenan Award in Economics (2013)