

Cormac Monaghan

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Profile

Data science PhD researcher at Maynooth University funded by Science Foundation Ireland. Focusing on applying advanced statistical analysis and causal inference techniques to the study of procrastination, particularly within older adult populations.

Experience

Maynooth University

Teaching Assistant

📅 Sep 2023 ▶ Present

- Providing teaching support for both statistical and advanced research methods in psychology to undergraduate and postgraduate students.
- Providing lecturing support in statistical analyses to undergraduate students.

Grant Thornton

Quantitative Risk Analyst

📅 June 2023 ▶ Aug 2023

- Designed and implemented a decision making toolkit for binary classification problems in R Shiny.
- Aided in research on the use of AI and machine learning in the financial sector.

Connolly Counselling Centre

Research Intern

📅 Feb 2021 ▶ May 2021

- Carried out several literature reviews surrounding mental health and treatment.
- Designed various infographic leaflets for distribution to center's staff and clients.

Maynooth University

Neuropsychology Research Intern

📅 Oct 2020 ▶ Dec 2020

- Conducted a literature review on the brain regions associated with autobiographical memory.
- Responsible for designing an interactive statistical decision tree.
- Carried out a qualitative analysis of audio transcripts on autobiographical reminiscence in older adults.

Education

PhD. Data Science

Hamilton Institute, Maynooth University

📅 Sep 2022 ▶ Present

- Focused on the application of advanced statistical methods to study procrastination in aging populations.
- Developed an R package for cognitive function classification using Health and Retirement Study data.
- Disseminated research in various journals and international conferences.

BSc. Psychology

Department of Psychology, Maynooth University

📅 Sep 2018 ▶ May 2022

- Final Grade: 72%.
- Ranked 4th out of a class of 21.
- Thesis: Academic Procrastination and Perfectionism – The Mediating Role of Temporal Thought.

Skills

Additive Models	Structural Modelling	Quarto	L ^A T _E X
Latent Class Analysis	Exploratory Analysis	R & R Shiny	Git

Publications

Journal Articles

- **Monaghan, C.**, de Andrade Moral, R., & McHugh Power, J. (2024). Procrastination and preventive health-care in the older U.S. population. *Preventive Medicine*. 108185. <https://doi.org/10.1016/j.ypmed.2024.108185>
- **Monaghan, C.**, Avila-Palencia, I., Han, S. D., & McHugh Power, J. (2024). Procrastination, depressive symptomatology, and loneliness in later life. *Aging & Mental Health*, 1-8. <https://doi.org/10.1080/13607863.2024.2345781>
- Allen, A. P., Doyle, C., Doyle, C. M., **Monaghan, C.**, Fitzpatrick, N., & Roche, R. A. (2021). What we talk about when we talk about the past: Discursive psychological analysis of autobiographical reminiscence in older Irish adults. *Psychobiographical illustrations on meaning and identity in sociocultural contexts*, 327-344. https://doi.org/10.1007/978-3-030-81238-6_15

Conference Proceedings

- **Monaghan, C.**, de Andrade Moral, R., & McHugh Power, J. (2024). Modelling the Non-linear Associations between Age and Health: Implications for Care, *Age and Ageing*, Volume 53, Issue Supplement_4. <https://doi.org/10.1093/ageing/afae178.084>
- **Monaghan, C.**, & Moral, R. A., & Power, J. M. (2024). The health risks of procrastination in older adult populations. [Poster Presentation]. European Health Psychology Society 38th Annual Conference, Cascais, Portugal.
- **Monaghan, C.**, & Power, J. M. (2023). Age, procrastination, depressive symptomatology, and loneliness: a structural equation modelling approach. *Age and Ageing*, 52(Supplement_3), <https://doi.org/10.1093/ageing/afad156.066>
- **Monaghan, C.** (2021). *Academic procrastination and perfectionism - the mediating role of temporal thought*. [Poster Presentation]. Annual Student Psychology Conference 2022. Waterford Institute of Technology, Ireland. <https://doi.org/10.13140/RG.2.2.19926.32329>

R Packages

- **Monaghan, C.**, de Andrade Moral, R., & McHugh Power, J. (2024). *lwc2022: Langa-Weir Classification of Cognitive Function for 2022 HRS Data*. R package version 1.0.0. <https://github.com/C-Monaghan/lwc2022>