

Cormac Monaghan

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Profile

Data science PhD student at Maynooth University funded by Science Foundation Ireland. Working on combining the fields of data science and psychology and currently research the field of procrastination in older adults.

Education

PhD Foundations in Data Science

📅 Sep 2022 ▶ Present

Hamilton Institute, Maynooth University

- Part of the Center for Research Training's 2022 cohort.
- Applying statistical models to understand procrastination in older adult populations.

BSc. Psychology

📅 Sep 2018 ▶ May 2022

Department of Psychology, Maynooth University

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

Experience

Maynooth University

Teaching Assistant

📅 Sep 2023 ▶ Present

- Providing teaching support for both statistical and advanced research methods in psychology to undergraduate and master 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 research pieces 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 in PowerPoint.
- Carried out a qualitative analysis of audio transcripts on autobiographical reminiscence in older adults.

Skills

Linear Models	Structural Modelling	Exploratory Analysis	L ^A T _E X
Additive Models	Supervised Learning	R & R Shiny	Github

Publications

Journal Articles

- **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 Presentations

- **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>