



**Matt**  
**MATHEW W. MCLEAN**  
(he/him)

🏠 Sydney, Australia (Citizenship: Canadian)  
🇺🇸 Australian Work Rights: Subclass 186 Visa  
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Experienced data scientist and Scrum Master with a PhD in Operations Research and expertise in statistical computing, machine learning, and software development. Published researcher in advanced regression and time-series models, Bayesian methods, and biostatistics.

## EDUCATION

### Ph.D. in Operations Research

Dissertation: On Generalized Additive Models for Regression with Functional Data  
Cornell University - Ithaca, NY, USA 📍  
2008 – 2013 📅

### B.Sc. (Hons.) in Statistics

University of Manitoba  
Winnipeg, MB, CAN 📍  
2004 – 2008 📅

## WORK EXPERIENCE

### Senior Data Scientist - Displayr

Designed features for BI and market research software, contributing to the company's growth from 20 to 100+ employees and nearly \$14 million in ARR  
2021 – 2024 📅

### Data Science Team Lead - Displayr

Lead a team of data scientists to write fast, easy-to-use tools for text analysis, machine learning, regression, and choice modeling using Scrum.  
2019 – 2021 📅

### Computational Statistician - Displayr

Maintained/co-authored a suite of 40+ R packages for statistical modeling, visualization, data cleaning and integrating with various web APIs.  
2017 – 2019 📅

## SKILLS

### Programming

• R • Python • JavaScript • SQL • stan • git

### Other tools

• Agile Methodologies • Circle CI • docker  
• Snowflake • Reproducible Research • JIRA

## CERTIFICATIONS

- SAFe® Practice Consultant (SPC)
- SAFe® Release Train Engineer (RTE)
- Professional Scrum Master II (PSMII)
- Pro. Agile Leadership - Evidence Based Management
- Professional Scrum Product Owner I (PSPOI)
- Professional Scrum Facilitation Skills (PSF)

## SAMPLE PROJECTS

### Automatic categorization of open-ended text

ML and AI models (ChatGPT) to classify survey responses without text coding  
📄 Displayr - Semi-Automatic Text Categorization

### RefManagerR

Tools for finding, importing, formatting, searching, and printing bibliographic references in R.  
🌐 CRAN - RefManagerR  
🔗 github.com/ropensci/refmanager

## SELECTED PUBLICATIONS

### Variational Message Passing for Elaborate Response Regression Models

👤 M. W. McLean and M. P. Wand  
📄 Bayesian Analysis (2019)  
🔗 DOI: 10.1214/18-BA1098

### Functional Generalised Additive Models

👤 M. W. McLean, G. Hooker, et al.  
📄 Journal of Computational and Graphical Statistics (2014)  
🔗 DOI: 10.1080/10618600.2012.729985

### Forecasting Emergency Medical Service Call Arrivals

👤 D. S. Matteson, M. W. McLean, et al.  
📄 Annals of Applied Statistics (2011)  
🔗 DOI: 10.1214/10-AOAS442