



Matt
MATHEW W. MCLEAN
 (he/him)

🏠 Sydney, Australia (Citizenship: Canadian)
 🇺🇸 Australian Work Rights: Subclass 186 Visa
 📧 mathew.w.mclean@gmail.com
 🌐 mwmclean.github.io
 🔗 www.linkedin.com/in/mathew-w-mclean
 📞 +61 452 389 372

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, USA 🏛️
 2008 – 2013 📅

B.Sc. (Hons.) in Statistics

University of Manitoba, CAN 🏛️
 2004 – 2008 📅

WORK EXPERIENCE

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