



## Summary

**Scientist and Analysis Executive** with 15 years of experience bridging the gap between clinical research and evidence-generation within routine practice across diverse settings. A collaborative leader with the ability to communicate technically across multidisciplinary teams and influence behaviour change to embed data-driven practices into long-term strategies. An experienced consultant assisting executive teams to bring about change within their own organisations through strategic planning and implementation of complex systems.

## Experience

### Chief Science Officer EBM Analytics

2020 - Present

I was the architect of 8+ specialist clinical quality registries for sports medicine, adult joint reconstruction and ortho-oncology, managing multiyear engagements (5 years) valued at 60 - 250k each. I led teams to implement data infrastructure to integrate electronic screening, randomisation and longitudinal patient-reported outcome collection within clinical workflows. I was responsible for ensuring systems complied with recognised principles for clinical quality registries, as well as human research ethics requirements

### Co-Founder and Director EBM Analytics

2016 - Present

I built a profitable healthcare analytics firm with two co-founders from the ground up, scaling to 750k annual revenue with 10 FTE staff. I established a national and international client base across public and private health sectors, government and industry.

### Principal Consultant EBM Analytics

2016 - Present

I was the point person for business development with targeted account acquisition and relationship management within complex customer ecosystems and long purchasing cycles. I secured numerous consulting engagements resulting in peer-reviewed publications and internal organisation reports for customers. Through this work I supervised multidisciplinary teams of engineers, data analysts, clinicians, and research coordinators across concurrent projects

### Director of Research Sydney Orthopaedic Research Institute

2009- 2016

I planned, led and managed the research and operational activities of a non-for-profit institute attached to the practices of a group of orthopaedic surgeons. I provided operational and day-to-day management for the Institute, developed research strategy and provided the subject matter expertise for clinical research. I also acted as the primary point of contact for staffing, contracting and supplier engagements

### General Service Officer Australian Army Reserve

2008 - 2015

In this role I was responsible for the training, administration and leadership of up to 50 personnel routinely and assisted with operations supporting training activities for 600+ personnel for scheduled exercises.

## Corey Scholes

Chief Science Officer, EBM Analytics

- ▶ Sydney, Australia
- ▶ Australian Citizen
- ▶ Married

## Skills

R	3+ yrs.
Stata	2 yrs.
Google Cloud	7 yrs.
Github	5 yr.
Quarto	3 yr.
Causal inference	3 years
Statistical Analysis	15 yrs.
Clinical Research	15 years

## Tools

- ▶ Shiny
- ▶ Google Workspace
- ▶ Matlab
- ▶ Project management
- ▶ Customer Relationship Management

# Education

2010

## Ph.D. Exercise Science

Queensland University of Technology

Thesis: The effects of muscle fatigue on knee function during landing

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2006-2008

## Teaching Assistant

Queensland University of Technology

Planned, prepared and delivered lectures and tutorials on fundamental and advanced biomechanics and functional anatomy. I conducted curriculum planning and preparation for fundamental and advanced classes.

2004

## Bachelor Applied Science (Hons)

Queensland University of Technology

# Contact

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 coreyscholes

# Projects

See my github profile for a comprehensive list of open source projects.

### R packages

Creator and Maintainer

edgebundle, graphlayouts, levelnet, netrankr, netUtils, networkdata, PSAWR, roughnet, roughsf, rtoot, Rtumblr, signnet, snahelper, webbotparseR, webtrackR

### R packages

Contributor

backbone, ggraph, multigraphr, netropy, rang, rgraph6

### Quarto extensions

Creator and Maintainer

Academicicons (shortcodes), Blackboard (revealjs theme), sketchy (html theme), share buttons (filter), nutshell (filter), quartocities (website template), quartocv (cv templates)

### soccerverse.com (football analytics website)

Creator and Maintainer

Manual and automated gathering of football results around the world, Harmonizing data (e.g. club names and managers), Implementation of ranking algorithms, Predicting of league tables and matchforecasting, Uses R, JavaScript, HTML, and CSS, around 1000 visitors/month