

# DENNIS WOLLERSHEIM

I want use my leadership and systems engineering skills to improve the health of Victorians.



## RELEVANT EMPLOYMENT

Present  
|  
2020

### Senior Public Health Officer

Melbourne

📍 Department of Health

- Developed data pipelines (using R, SQL, Excel, Bash, Azure) that automated the tasks of three staff who left the Covid team
- Collaborated with five different groups including Center for Victorian Data Linkage and Health Protection Branch, notably developing specialised dashboards, reports and setting up teams channels, to facilitate communication and automate data sharing.
- Started a 14 member R User's group to promote best practice across multiple teams

Present  
|  
2001

### Public Health Researcher

Bundoora

📍 La Trobe University

- Collaborated with teams from Public Health, Health Information Management, Health Administration, Counselling Psychology, Physiotherapy and Computer Science
- Worked with billion-record health datasets, Australia wide meshblock level GIS data, Azure and local La Trobe computer clusters, Postgres and Mysql databases, Drupal content management system, Redcap surveys and various machine learning paradigms
- Fifty five publications, 845 Citations, with an h-index of 15.<sup>7</sup>

2020  
|  
2002

### Health Information Management Lecturer

Bundoora

📍 La Trobe University

- Designed, coordinated and taught subjects in data modelling, systems analysis, Tableau, R, SQL, artificial intelligence, systems analysis, Perl, Access, Excel. Sample course materials here<sup>2</sup>
- Course and subject design, thesis supervision, administrative process redesign<sup>3</sup>
- Generated per-student unique assignments based on subsections of massive health datasets, facilitating collaboration and peer learning

1991  
|  
1987

### Computer Consultant

Victoria, British Columbia, Canada

📍 Crawford Consulting

- Systems analysis, computer consulting and Foxpro database design for a range of provincial and municipal government clients. Implemented data driven systems that were used for over five years

## CONTACT

✉ [dewoller@gmail.com](mailto:dewoller@gmail.com)

📞 0414 529 454

🐙 [dewoller](#)

in [dennis-wollersheim](#)

## LANGUAGE SKILLS

R

SQL

Bash/Linux

Perl

Python

Azure

Java

French

Spanish

I have been a successful public health researcher, academic lecturer, software engineer and data scientist.

View this CV online with links at  
<https://dewoller.github.io/cv/cv.html>

Last updated on 2021-06-14.



## EDUCATION

2005  
|  
2001



### Phd (Computer Science)

Bundoora

📍 La Trobe University

- Thesis topic: Dynamic Query Expansion for Information Retrieval of Imprecise Medical Queries
- Created a 'Google for doctors', using natural language processing and the 1.2 million term Unified Medical Language System to enhance medical information retrieval

1996  
|  
1994



### Bachelor of Social Work

Bundoora

📍 La Trobe University

- As a social worker, I led behaviour change groups for violent men and play groups for at-risk children

1985  
|  
1981



### BASc (Computer Science)

Lethbridge, AB, Canada

📍 University of Lethbridge

- Created a graphics tablet based electronic ruler to facilitate data entry of 2400 poplar leaf measurements

My combination of social and technical skills is unique and functional, especially in the health context.



## PERSONAL EXPERIENCE

Present  
|  
1996



### Peer Counselling Teacher

Melbourne

- Active member of a grass roots peer leadership training network
- Led 30 person multi day workshops, and weekly and monthly groups of multi year duration

Present  
|  
2015



### Committee Secretary

Brunswick East

📍 The Bicycle Recycle Shed

- Improved the volunteer induction pipeline, leading to a 10x growth in new volunteer signups

2011  
|  
2009



### Board Secretary

Springvale

📍 South East Community Links (SECL)

- Co-opted to the board to advise on the transition to digital records. SECL has a budget of over \$4million / year



## LINKS

- 1: <https://scholars.latrobe.edu.au/dewollershei/publications>
- 2: [https://dewoller.github.io/health\\_informatics\\_3\\_r\\_tutorial/index.html](https://dewoller.github.io/health_informatics_3_r_tutorial/index.html)
- 3: [https://dewoller.shinyapps.io/tabulate\\_column\\_o\\_grades/](https://dewoller.shinyapps.io/tabulate_column_o_grades/)