DENNIS WOLLERSHEIM

Currently searching for a position that allows me to leverage a combination of visualization, machine learning, and software engineering to help people explore and understand their data in new and useful ways.

🎓 EDUCATION

Phd (Computer Science)
Bundoora
📍 La Trobe University
2005 | 2001

- Thesis topic: Dynamic Query Expansion for Information Retrieval of Imprecise Medical Queries
- Created a 'Google for doctors', using NLP and the 1.2 million term UMLS vocabulary to enhance medical information retrieval

Bachelor of Social Work
Bundoora
📍 La Trobe University
1996 | 1994

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

BSc (Computer Science)
Lethbridge, AB, Canada
📍 University of Lethbridge
1985 | 1981

- Created a graphics tablet based electronic ruler to facilitate data entry of 8 measurements of 300 poplar leaves

🖥 TEACHING EXPERIENCE

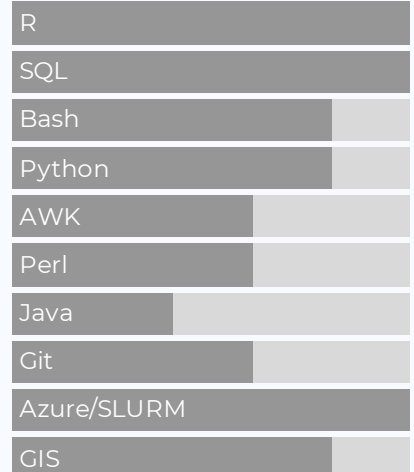**Lecturer**
Bundoora
📍 La Trobe University
Present | 2002

- Designed and implemented courses in data modelling, systems analysis, Tableau, R, SQL, artificial intelligence, systems analysis, Perl. Sample R course materials can be found here[1]
- Course and subject design, thesis supervision, administrative process redesign. An example of the latter is a web service to help academics perform a common administrative task[2]
- Innovations include giving each students individual unique assignments to facilitate collaboration and peer learning, and provided access to massive health datasets for realistic student tasks.
- In the most recent online instance teaching SQL, Tableau and R to public health students, I received student evaluation score of 4.2/5

View this CV online with links at

CONTACT

- ✉ dewoller@gmail.com
- 🐦 dewoller
- 🐙 dewoller
- in dennis-wollersheim

LANGUAGE SKILLS

R	
SQL	
Bash	
Python	
AWK	
Perl	
Java	
Git	
Azure/SLURM	
GIS	

I am passionate about education. I believe that no topic is too complex if the teacher is empathetic and willing to think about new methods of approaching task.

💻 RESEARCH EXPERIENCE

Present
|
2001

Research

Bundoora

📍 La Trobe University

- Published with teams from Public Health, Health Administration, Physiotherapy and Computer Science
- Worked with billion record health datasets, Australia wide mesh block level GIS data, Azure and local La Trobe SLURM clusters, Postgres and Mysql databases, Drupal CMS, Redcap surveys, artificial intelligence, deep learning

2001
|
1999

Entrepreneur

Melbourne

📍 Dot com startup

- Developed and implemented the first Melbourne web based real estate visit mapping tool, and used car sales price comparison, by scraping of existing web resources

Present
|
2001

Research Grants

Bundoora

📍 La Trobe University

- Received nine grants, totalling $291,000

Present
|
2002

Academic Publishing

Bundoora

📍 La Trobe University

- Twenty nine publications, 710 Citations, with an h-index of 11.[3]
- Most recent article in The Conversation garnered 63,000 reads[4]

👤 PERSONAL EXPERIENCE

Present
|
1996

Peer Counselling Teacher

Melbourne

- active member of a grass roots peer counsellor 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 experience, leading to a 10x growth in new volunteer signups.

🔗 LINKS

1: https://dewoller.github.io/health_informatics_3_r_tutorial/index.html
2: https://dewoller.shinyapps.io/tablulate_column_o_grades/
3: https://scholars.latrobe.edu.au/display/dewollershei
4: https://theconversation.com/340-000-melburnians-have-little-or-no-parkland-within-5km-of-their-home-144069

I have worked in a variety of roles ranging from teacher to software engineer to data scientist. I like collaborative environments where I can have productive interactions and expand my knowledge of the uses of data.