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Daisy Englert Duursma

Experienced researcher with data analysis, especially data with a spatial aspect. Has a can-do attitude and finds the tools needed to answer data-related questions. Expert at handling data from a wide diversity of sources/formats, and 10+ years experience with the R statistical computing language. Applies creativity and discipline, and thrives in team collaborations.

Personal details

Date of birth **16 September 1979**

Nationality **United States of America**

Languages **English (native), Dutch (intermediate)**

Professional experience

2009 – Present **Postdoctoral Fellow, Data Scientist, Data Manager**, *Macquarie University*, Sydney, Australia

- Analyse large amounts of data and present results in verbal, written and visual forms.
- Effectively determine methods to combine data from many sources and in different formats.
- Create and implement interactive tools to effectively communicate large amounts of data in ways that are usable to the stakeholders.
- Liaise with key stakeholders to optimize project's outputs to and ensure these are most beneficial to the client.
- Develop, organize and teach spatial data analysis and visualization (R and ArcGIS).
- Utilize high performance computing (HPC) to transform data sets to uniform formatting to increase data access, usability and discover-ability.
- Establish, develop and promote data management systems.

2008 **Spatial analyst**, *Texas Technological University*, U.S.A. (based in Australia)

- Predictive modelling of habitat quality for fish populations.

2005–2008 **Spatial analyst**, *Finnish Forest Research Institute (METLA)*, Helsinki, Finland

- Integration of forest growth data and sawmill location to assess, visualize and summarize habitat quality and sawmill viability.
- Prepare project proposals and reports for funding agencies and governmental agencies.
- Participant, and assisted in coordinating EU wide project to harmonize forest carbon storage reporting methods.

Education

2014– Submitted: Sept 2017 **PhD**, *Macquarie University*, Australia, Machine learning to assess spatial and temporal variation in avian breeding phenology and traits

2005–2007 **MSc**, *University of Helsinki*, Finland, Forest Sciences and Business

2001–2004 **BSc**, *University of Idaho*, U.S.A, Ecology and Conservation Biology

Computer skills

Programming - excellent R (Spatial analyses, large data sets, maps, etc.)

Programming - good Python, Unix

ArcGIS ArcMap, ArcInfo

MS Office Word, Excel, PowerPoint