

Daisy Englert Duursma

Data Scientist

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Experienced data analyst, 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 **American**
Languages **English (native), Dutch (intermediate)**

Professional experience

- 2009 – **Postdoctoral Fellow, Data Scientist, Data Manager, Macquarie University, Sydney, Australia**
Present
- 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 and visualize 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 locations to assess, visualize and summarize habitat quality and sawmill viability.
 - Prepare project proposals and reports for funding and governmental agencies.
 - Participant, and assisted in coordinating EU wide project to harmonize forest carbon storage reporting methods.

Education

- 2014–2017 **PhD - submitted, 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**

Skills

Data analysis, Spatial analysis, large data sets, statistical modelling, machine learning, data visualization, project management communication

Software

R (excellent), ArcGIS, git, shiny, Python