



# Athanasia Monika Mowinckel

SCIENTIST

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## Education

### Philosophiae doctorem - University of Oslo - Norway

THESIS TITLE: NEUROCOGNITIVE PROCESSES OF DECISION-MAKING IN ADULTS WITH ADHD

2012 - 2016

### Master in Cognitive Neuroscience - University of Oslo - Norway

THESIS TITLE: DEFAULT MODE RESTING-STATE FUNCTIONAL CONNECTIVITY OF THE AGING BRAIN

2009 - 2011

### Bachelor in Psychology - University of Oslo - Norway

THESIS TITLE: ATTENTION DEFICITS IN MILD COGNITIVE IMPAIRMENT AND DEMENTIA OF THE ALZHEIMER TYPE

2006 - 2009

## Research positions

### University of Oslo - Center for Lifespan Changes in Brain and Cognition

STAFF SCIENTIST

- Creation and maintenance of LCBC data-base
- Data sharing and management in Lifebrain EU-project (WP2)
- Oversee data quality in ongoing data-collection

Oslo

2018 - present

### University of Oslo - Center for Lifespan Changes in Brain and Cognition

RESEARCHER / PROJECT MANAGER

- Coordinating data collection, data-management, and research collaborations
- Running analyses and data preparations

Oslo

2016 - 2017

### University of Oslo - Dept. of Psychology

RESEARCH ASSISTANT AND LAB-TECHNICIAN

- Work with functional MRI-analysis, supervising students, and transitioning lab from windows to a Linux
- Scripting of experiments, testing of participants and work on application for grants and ethical approval

Oslo

2011 - 2012

## Memberships & Services

I am passionate about increasing the representation and retention of women in science, and in improving the formal training and competencies taught at the University. These interests are evident from task force and board memberships, and in activities I engage in outside of work, like R-Ladies.

### R-Ladies global team

GLOBAL TEAM MEMBER

- Assisting in daily coordination and webpage maintenance of R-Ladies globally
- Initiative running events for coding, networking and support of minority genders in the R-community

Oslo

2019 - present

### R-Ladies Oslo

CO-FOUNDER AND CHAIR

- Assisting in daily coordination and webpage maintenance of R-Ladies globally
- Initiative running events for coding, networking and support of minority genders in the R-community

Oslo

2018 - present

### University of Oslo

MEMBER

- Dept. of Psychology internal ethics committee

Oslo

2019 - NA

### University of Oslo

MEMBER

- Task force proposing changes to the PhD-program

Oslo

2017 - 2018

### University of Oslo

MEMBER

- Central task force regarding research ethics, GDPR, and Hospital/University collaboration

Oslo

2016 - 2017

## University of Oslo

FACULTY BOARD MEMBER, ELECTED

- Faculty of Social Sciences

## University of Oslo

DEPARTMENT BOARD MEMBER, ELECTED

- Dept. of Psychology

## University of Oslo

CO-FOUNDER AND CHAIR

- PsyDoc - Interest organisation for PhDs and PostDocs.

*Oslo*

2015 - 2015

*Oslo*

2014 - 2015

*Oslo*

2013 - 2015

## Teaching & Dissemination

In addition to teaching and workshops, I run a coding and neuroscience blog, [drmwinkels.io](https://drmwinkels.io) , that includes tutorials in R and neuroimaging. I am also a certified Software Carpentry Instructor .

### UNIVERSITY

#### University of Oslo

SEMINAR TEACHER

- Introduction to research methods (PSY1010/PSYC1100)
- Experimental Cognitive Psychology (PSYC2102)

#### University of Oslo

SUPERVISOR

- Bachelor thesis

#### University of Oslo

SEMINAR TEACHER

- Introduction to research methods (PSY1010/PSYC1100)
- Introduction to social psychology (PSY1100)

*Oslo, Norway*

2012 - 2015

*Oslo, Norway*

2012 - 2015

*Oslo, Norway*

2009 - 2011

### WORKSHOPS

#### Monthly internal R-workshops for LCBC

INSTRUCTOR

- 2 hour workshops in using R for analysis, visualization, dissemination etc.

#### Workshop: Straightforward introduction to mixed models

INSTRUCTOR

- A short workshop in the use of Mixed-models for repeated measurement data

#### Linear Mixed models on repeated measurement data

INSTRUCTOR

- A short workshop in the use of Mixed-models for repeated measurement data

#### TidyVerse R

CO-INSTRUCTOR

- Two-day workshop on using R and the Tidyverse-packages for data handling and analysis

*Center for Lifespan Changes in Brain  
and Cognition*

*Monthly 2018 - present*

*Oslo UseR!*

*June 5, 2019*



*R-Ladies London*

*March 28, 2019*

*University of Oslo - Software  
Carpentry*

*Sept. 25 - 26, 2018*

## Research software development

A recent interest and professional endeavor is creating R-packages to improve data workflows and visualization in R. Icons link to package websites with documentation , and github repositories  where source code is openly available.

2018 - **ggseg**  : Lead developer

present Visualization tool for brain atlas segmentations through R

2018 - **ggeg3d**  : Lead developer

present 3 dimensional visualization tool for brain atlas segmentations through R

2018 - **ggegExtra**  : Lead developer

present Repository of atlas data for the ggseg-packages

2019 - **nettskjemar**  : Lead developer

present Package to retrieve data and meta-data from the nettskjema questionnaire tool developed by the University of Oslo

2020 **metagam**  : Contributor

Meta-Analysis of Generalized Additive Models in Neuroimaging Studies