

# Juulia Suvilehto

DATA SCIENTIST, RESEARCHER

## CONTACT



juulia.suvilehto@iki.fi



0700895005



<https://github.com/jtsuvile>  
[www.linkedin.com/in/suvilehto/](https://www.linkedin.com/in/suvilehto/)

## SKILLS

PROGRAMMING  
LANGUAGES

**R** (incl. tidyverse,  
RMarkdown)

**Python** (incl. NumPy  
Pandas, Nilearn, Scikit-  
learn, matplotlib)

**Matlab** (incl. SPM,  
Statistics & Machine  
learning toolbox)

OTHER TOOLS

Git

Subversion

Slurm

html, CSS, php

SQL

NATURAL LANGUAGES

**Finnish** native

**English** fluent

**Swedish** very  
good

## PROFILE

Data scientist with background in neuroscience. I have extensive experience in cleaning, analysing and visualising large data sets. I excel at explaining complex technical concepts in ways that are approachable to non-specialists, such as medical professionals.

## WORK EXPERIENCE

2019-> **POSTDOCTORAL RESEARCH FELLOW**, LINKÖPING UNIVERSITY,  
LINKÖPING, SWEDEN

- Running and supporting multiple projects investigating individual differences in responses to socio-affective stimuli.
- Building data processing pipelines and carrying out exploratory data analyses using Python and R.
- Driving initiatives to re-use existing data and supporting colleagues in moving to reproducible data analysis practices.
- Created and taught a popular course “R for scientific data analysis”.

2018- 2019 **POSTDOCTORAL RESEARCHER**, UNIVERSITY OF OXFORD,  
OXFORD, THE UK

- Designed and wrote ethics application for a study to assess de-identification algorithm used on health records in research (UK-CRIS).
- Worked as a part of a larger team investigating the utility of existing data on detecting and treating mood disorders and improving FAIRness of the existing data.
- Tracked down existing data sets and evaluated their usefulness for the project.
- Trained colleagues in using version control (git).

2014- 2018 **PHD CANDIDATE**, AALTO UNIVERSITY, HELSINKI, FINLAND

2013-2014 **RESEARCH ASSISTANT**, AALTO UNIVERSITY, HELSINKI,  
FINLAND

- Conducted research on human social and affective systems which have resulted in 5 peer-reviewed journal articles.
- Developed data collection systems with php, html and CSS; built data analysis pipelines using Matlab, Python and R.
- Analysed imaging and questionnaire data using machine learning.
- Managed projects with collaborators from multiple countries and different professional backgrounds.

# Juulia Suvilehto

D A T A   S C I E N T I S T ,   R E S E A R C H E R

2013 **ASSOCIATE PRODUCT MANAGER**, CRF HEALTH (NOW SIGNANT HEALTH)

HELSINKI, FINLAND

- Master's thesis position (exjobb) in the Health Outcomes division.
- Helped launch a new initiative by investigating the suitability of using subjects' own devices in clinical trials from regulatory and practical perspectives.

2011-2012 **JUNIOR BIOINFORMATICIAN**, EUFORMATICS OY, ESPOO, FINLAND

- First employee while the company was still a start-up.
- Designed and implemented parts of the data analysis and data management software.
- Created training materials, carried out technical training and acted as technical support for the non-technical end-users.
- Worked with SQL and Oracle Apex. Version control in subversion.

## EDUCATION

2018 **DOCTOR OF SCIENCE (TECHNOLOGY)** Aalto University, Finland

Systems Neuroscience, pass with distinction

2014 **MASTER OF SCIENCE (TECHNOLOGY)** Aalto University, Finland

Computational and Cognitive Biosciences, pass with distinction

2013 **BACHELOR OF SCIENCE (TECHNOLOGY)** Aalto University, Finland

Computational and Cognitive Biosciences, incl. exchange year in Linköping University

## RELEVANT TRAINING

**DATA SCIENCE INITIATIVE OF ÉCOLE POLYTECHNIQUE AND DATAIA INSTITUTE, FRANCE**

Data Science Summer School (2019)

**AALTO UNIVERSITY, FINLAND**

Some of the relevant courses which were completed as a part of the Bachelor's and Master's degrees in Science (Technology)

Data Structures and Algorithms,

Machine Learning: Basic Principles,

Designing Services,

Exercise on User-Centered Product Development,

Special Assignment on User-Centered Product Development