

# MARTIN NILSSON

✉ nilssonm49@gmail.com •  nilssonm49 •  Zamsobob  
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## RESEARCH INTERESTS

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Research Methods in Cognitive Neuroscience, Data analysis, EEG, fMRI, Reproducibility, Open science, Meta-analysis.

## EDUCATION

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### University of Skövde

*M.Sc in Cognitive Neuroscience*

**Skövde, Sweden**

*September, 2020-June, 2021*

- Thesis title: *No Relationship between Frontal Alpha Asymmetry and Motivational and Personality Traits.*

### University of Skövde

*B.Sc in Cognitive Neuroscience*

**Skövde, Sweden**

*September, 2017-June, 2020*

- Thesis title: *Body Ownership: An Activation Likelihood Estimation Meta-Analysis.*
- Additional courses in Statistics (45 ECTS credits) and Neuroimaging (7.5 credits).

## WORK EXPERIENCE

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### Teacher Assistant, University of Skövde

*Department of Cognitive Neuroscience and Philosophy*

**Skövde, Sweden**

*September 2017 - present*

- Teaching duties at the Master's program Cognitive Neuroscience: Mind and Brain.
- Full responsibilities for the MATLAB module of the research practice course: developing course materials; giving lectures and workshops on MATLAB programming and EEG data analysis; integrating MATLAB Grader with Canvas LMS to create and grade assignments.
- Assisting with the research methods and data processing course: co-developing materials and giving a practical workshop on Activation Likelihood Estimation (ALE) meta-analysis for fMRI data.

### Professional Soldier, Swedish Armed Forces

*Life Guards Regiment*

**Stockholm, Sweden**

*August 2014 - May 2017*

- Combat lifesaver, driver, and mortarman at an army infantry unit.

## KEY SKILLS

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### Programming Languages

MATLAB, R, LaTeX

### Research Tools

EEGLAB, ERPLAB, SPM, GingerALE

### Other Software Tools

IBM SPSS Statistics, MS Office

## PUBLICATIONS

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- Nilsson, M., & Kalckert, A. (in press) Region-of-interest analysis approaches in neuroimaging studies of body ownership – an activation likelihood estimation meta-analysis *European Journal of Neuroscience*.

## RESEARCH EXPERIENCE

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**"Research project: A multimodal critical evaluation of the facial-width-to-height ratio (fWHR) construct."**

- Using a curated image database and behavioral and EEG experiments, to test the robustness of the fWHR as a psychological construct.
- Aid in the formulation of hypotheses, development of data-analysis pipelines, and manuscript writing.

## VOLUNTARY ACTIVITIES

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- English teacher at a youth center in Jacó, Costa Rica, for three months between May and August 2017.

## REFERENCES

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- Available upon Request.