Daniel Fellman | Curriculum Vitae

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PROFESSIONAL SUMMARY

- Forward-thinking Researcher (PhD in Cognitive Psychology) with experience of scripting in R (3 years) and Python (1 year) coupled with proficient skills in conducting complex statistical analyses and a strong understanding of research methodologies.
- Effective and confident science communicator in three different languages (fluent written- and oral skills in Swedish, English, Finnish), with the ability to make complex data understandable for a broad audience using various data visualization techniques.
- Creative and self-motivated individual with easy-integration in a multicultural environment with unique combination of detail-oriented mindset, driven personality, and proven ability to meet tight deadlines by working in fast-paced work environments.

WORK EXPERIENCE

Umeå University |Umeå, Sweden   **February 2019 – Present**
Postdoctoral Research Fellow | Department of Psychology
- Collaborated with Hypocampus AB, a Swedish startup specialized on online-learning, to understand the relationship between study behavior and cognition.
- Built and tuned preprocessing pipeline in Python (pandas, numpy) to clean raw data from thousands of users into behavior relevant insights.

Åbo Akademi University |Turku, Finland   **December 2018 – January 2019**
Postdoctoral Research Fellow | Department of Psychology
- Used multilevel regression models in the R environment to examine the effects of cognitive training on a large-scale longitudinal data set collected via Internet.
- Employed Bayesian Inference in R for examining the causal role between user's cognitive performance and self-generated strategies.

Åbo Akademi University |Turku, Finland   **November 2015 – November 2018**
Graduate Researcher | Department of Psychology
- Built regression and ANOVA models for hypothesis testing related to human cognition
- Routinely used the R environment and SPSS for statistical analyses.
- Served as a statistical advisor for undergraduate students covering consultancies such as choice of analytical approach, execution of analyses, and interpretations of the results.
- Responsible for a university-level course titled "Behavioral Science", covering the basic principles in research methodology and psychometrics.

EDUCATION

Åbo Akademi University | Åbo, Finland   2015 - 2018
Doctor of Philosophy, Psychology, Cognitive Training
Åbo Akademi University | Åbo, Finland   2011 – 2015
Masters of Arts, Speech Language Pathology

SKILLS

Programming: Python (NumPy, Pandas, Sci-Kit Learn, Matplotlib), R (Tidyverse, ggplot2, Caret)
Data analysis: Regression (GLM), Classification (Random Forest, knn), Unsupervised learning (PCA, kmeans), Hypothesis Testing (Anova, t-tests)
Databases: SQL (PostgreSQL)