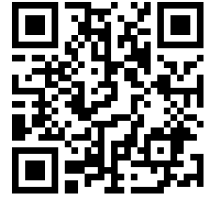


## Matthias Klee

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*Doctoral researcher*



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\* 30 October 1994, Bad Kreuznach, Germany

## MAIN RESEARCH INTERESTS

- decision-making and behavioral change
- persuasion, resilience, attribution
- healthy ageing (i.e. cognitive function and dementia)
- applying quantitative methodology (i.e. machine learning) in health psychology

## CURRENT POSITION

Since 10/2020 Doctoral researcher in Psychology within the [CRISP](#) project, University of Luxembourg

## EDUCATION

10/2020 –	<b><i>Doctoral School in Humanities and Social Sciences</i></b> University of Luxembourg
06/2021 – 06/2021	<b><i>Genomics for Social Scientists Workshop</i></b> Survey Research Center, Institute for Social Research, University of Michigan
10/2017 – 09/2020	<b><i>Psychology (M.Sc.)</i></b> Heidelberg University
09/2018 – 02/2019	<b><i>Digital Humanities and Social Analytics (Minor)</i></b> VU Amsterdam
10/2014 – 09/2017	<b><i>Psychology (B.Sc.)</i></b> Heidelberg University

## FURTHER EDUCATION

### Programming

- Course Programming in R (4 ECTS)
- Course Data Science in R (5 ECTS)
- Course Programming for Humanities and Social Sciences (6 ECTS)
- Course Web Mining (6 ECTS)
- Course Database Technology (3 ECTS)
- Introduction to programming in C++ (3 ECTS)
- Master Thesis applying Natural Language Processing to measure psychological constructs

### Miscellaneous

- AI4Health Winter School: Transforming Healthcare with Artificial Intelligence
- InGRID-2 Winter School: Recent advances in poverty and inequality research
- Causal Diagrams: Draw your Assumptions before Your Conclusions (edX course; M. Hernán)

## **MASTER THESIS**

Ein Bild sagt mehr als 100 Worte: Erfassung des Promotions- und Präventionsfokus durch Linguistic Word Count. (*A picture is worth 100 words: Capturing promotion and prevention focus through linguistic word count.*)

## **PRESENTATIONS AT INTERNATIONAL CONFERENCES**

Klee, M. & Leist, A. K. (2021, July). *Investigating the associations of trajectories of depressive symptoms and self-perceived health and incident dementia – an unsupervised machine learning approach*. Poster presentation at the Alzheimer's Association International Conference, Denver (Colorado), USA.

Klee, M. & Leist, A. K. (2021, June). *Dynamic Dementia Prediction using trajectory clusters of depressive symptoms and health ratings*. Invited presentation at the Nordic Congress of Gerontology (25 NKG).

## **PRESENTATIONS (SELECTION)**

Klee, M. (2021, May). *Investigating risk factor trajectories and their association with trajectories of cognitive decline*. Presentation at the IRSEI Brown Bag Seminar, UL.

Klee, M. (2020, December). *Identifying modifiable social and behavioural risk factors of cognitive ageing*. Presentation at the IRSEI Brown Bag Seminar, UL.

## **PUBLICATIONS**

Leist, A. K., Klee, M., Kim, J. H., Rehkopf, D. H., Bordas, S. P. A., Muniz-Terrera, G., & Wade, S. (2021). Machine learning in the social and health sciences. *ArXiv:2106.10716 [Cs]*. <http://arxiv.org/abs/2106.10716>