

Certificate of Participation

GESIS Workshops

Introduction to Deep Learning in R

This is to certify that

Julian Kohne

participated in the above named course, part of the “GESIS Workshops” offering, which took place online. The GESIS workshops are one- to three-day courses in a broad range of social science research methods, from qualitative interviews, questionnaire design for surveys, sampling, and introductions to specific survey programs to statistical software and data analysis.

The course was held over 3 days, consisting of 18 hours of online instruction and practical exercises.

Lecturers: Christian Arnold (*Cardiff University*)

Date: 24th -26th April 2024

Course content:

- Introduction: Deep learning and its relation to logit regression
- Hyperparameter tuning
- Implementing deep learning in R / Applications in R
- Modelling text with recurrent deep learning
- Long and short-term memories for modelling text
- Introduction to convolutional networks / Modelling text with convolutional networks

Mannheim, 2nd May 2024