

Einladung zum gemeinsamen ZeSOB und Lifespan AI Kolloquium

Am Donnerstag, 11. September 2025, um 10:00 (c.t.) spricht

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Semi-Structured Regression: Current Advances and Challenges

Neural networks enable learning from various data modalities, such as images and text. This concept has been integrated into statistical modeling through semi-structured regression, which additively combines structured predictors with unstructured effects from arbitrary data modalities by embedding the statistical model into the neural network. This approach opens new opportunities for advancing regression models but also poses challenges, such as non-identifiability, challenges in uncertainty quantification, and optimization. This presentation will introduce semi-structured regression, discuss recent advances, and highlight the challenges of embedding regression models into neural networks with a particular focus on identifiability and interpretability.

Der Vortrag findet in der Rotunde (Raum 0.67) im Cartesium (Enrique-Schmidt-Straße 5, 28359 Bremen) an der Universität Bremen statt. Eine Online-Teilnahme ist ebenfalls möglich und zwar unter dem Link:

<https://uni-bremen.zoom-x.de/j/67853543342?pwd=KmL6Zabn8YbRYcaOjcbHLJI64aDzNa.1>
(Meeting-ID: 678 5354 3342, Kenncode: 916839)

Alle Interessierten sind herzlich willkommen!

(Einladungsvorschlag von Prof. Dr. Werner Brannath)