



Fusing Statistics and Machine Learning

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Department of Statistics, Ludwigstr. 33, Room 144
and online via Zoom (Link)
(Meeting-ID: 913-2473-4411; Password: StatsCol22)

More than ever, we rely on flexible, scalable and reliable techniques to learn from data in order to create new knowledge and insights. Both statistical modeling and machine learning are a key part for harnessing this data revolution. The talk will start by showcasing some of the modeling challenges applied researchers face nowadays. To overcome these challenges, methods need to take different types of data inputs into account, work on large amounts of data, and allow modeling complex relationships. The main part of this talk will demonstrate how techniques from machine and deep learning can offer solutions to these challenges. In this context, I will also discuss the connections between methods in machine learning and statistical modeling, their software implementations as well as future research directions.

Biography:

Prof. Dr. David Rügamer is currently head of the Data Science group at LMU Munich. Before he was interim professor for computational statistics at the RWTH Aachen and TU Dortmund. His research is mainly focused on the intersection of statistical modeling and deep learning.