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Introduction of the research group "Chemometrics of complex material systems"

Friday 10 October 2025 12:00 (30 minutes)

In the research group "Chemometrics of Complex Material Systems" of Stephan Seifert at the Hamburg School of Food Science, analytical data corresponding to fingerprints of biological samples are analysed. These fingerprints come, for example, from food or written artefacts, and are classified using machine learning methods based on various properties, such as their geographical origin. The methodological focus of the group is on the development of random forest approaches, e.g. for variable selection and the analysis of underlying mechanisms, as well as on the fusion of different analytical data.

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