



# Einladung zum Oberseminar Mathematik des Maschinellen Lernens und Angewandte Analysis

Julius-Maximilians-Universität Würzburg  
Professur für Mathematik des Maschinellen Lernens

## Atell Yehor Krasnopolsky

Professur für Mathematik des Maschinellen Lernens  
Universität Würzburg

### Explaining the Sensitivity Map Sparsity in Adversarially Trained Models

Sensitivity maps are gradient-based explainability tools used in machine learning to visualise the parts of the input most influential to a model's decision-making. Training a model to be robust against slight perturbations of the input (adversarial training) has an effect on its sensitivity maps: they become sparser. The goal of my thesis was to mathematically answer the question: why is this the case? In this talk I will share the results.

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Zu diesem Vortrag laden wir Sie herzlich ein.

*gez. Leon Bungert*