

Deep learning in weather and climate prediction: first successes and visions for the future

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Abstract:

In this talk I will start out by demystifying the terms “artificial intelligence” and “deep learning” and explain what they really mean. Then I will discuss how deep learning can be used for various problems in atmospheric science. For this I will use three examples from my own research. At the end I will examine what the future of machine learning in weather and climate might look like.