

How is Artificial Intelligence Changing Science? Research in the Era of Learning Algorithms

Initiative: Künstliche Intelligenz – Ihre Auswirkungen auf die Gesellschaft von morgen

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How do artificial intelligence (AI) technologies affect research and science? By following this perspective, the project is less concerned with research on AI per se than with how different disciplines use AI as a tool. The central focus lies on how heterogeneous concepts and operations of the social sciences and humanities, on the one hand, and the natural and technical sciences, on the other, are integrated into applications of AI. Research on the latter will also explore the extent to which critical perspectives inform and accompany the use of AI. The project concentrates on artificial neural networks (ANN) because of their dominant status among current AI approaches. In order to extend the scope to an international level, it covers a variety of disciplines across Europe, including the natural sciences, social sciences, and the humanities. Hence, the project not only explores the similarities and differences among instances where AI is deployed in various fields, it also sheds light on the cultural and national specificities inherent to these processes.

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