

Machine learning applied to scientific computing, or something like that

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It's no secret that machine learning is playing an increasingly important role in scientific news. Increasingly versatile and efficient at handling the most complex tasks, it has even infiltrated what was once considered a separate community: scientific computing. And yes, it's no longer necessary to use image processing or other revolutionary chatbots to "make the loss converge" or "fit data in only 100,000 epochs," the interactions between machine learning and numerical analysis are rich and exciting! We'll explore some of the aspects I encountered during my thesis, or almost, depending on what's in the pipeline at the time (this artistic vagueness actually allows me to choose my real topic at the last minute, it's a trick).