

Wrocław, 15.09.2023

**Thesis abstract: Deep learning in point, probabilistic and ensemble forecasting of electricity prices**

This doctoral thesis explores the applicability of deep learning for various electricity price forecasting tasks, from the standpoint of decision-makers. It provides evidence that – when carefully calibrated – deep neural network models consistently demonstrate superior performance in point, probabilistic and ensemble forecasting compared to state-of-the-art benchmarks. Finally, the thesis also highlights the importance of following the best practices, as robust comparisons and replicability are key to research excellence.

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