



Universität St.Gallen

Computer Science Insights @HSG - School of Computer Science

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MLOps challenges at MeteoSwiss

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Machine learning has many applications throughout the prediction workflow in weather modelling. It has the potential to compensate shortcomings of traditional modelling procedures as well as to produce tailored products for policy and decision-makers. However, to ensure that machine learning can build trust and eventually become a reliable technology for production, it is also important to consider the technical and engineering challenges that arise when introducing machine learning in an operational environment. In this talk, I will review different machine learning applications we are using and developing at MeteoSwiss and discuss our MLOps challenges.

Gabriela Aznar Siguan works at the Federal Office of Meteorology and Climatology MeteoSwiss, developing weather business applications in the Analysis and Forecasting department. With a background in Mathematics and a Ph.D. in Computational and Applied Physics, she has experience assessing weather and climate risk. A current focus of her work is on applying innovative technologies and methods in weather forecasting problems to help make informed decisions.

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