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Contribution - Training Applied Data Science

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Abstract

We report on didactical concepts, practices and tools applied in our data science training courses at the University of Bern. With the availability of new data sources and processing tools, the demand for data science training outside regular study programs has emerged in many domains. Since 2017 we provide courses for young researchers with levels ranging from introductions to data cleaning and visualisation to advanced and modern machine learning techniques. The report (poster) contains experiences with remote online teaching, inverted classroom techniques, usage of various cloud platforms, computational notebooks, live programming and assessment practices.