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The Berlin Big Data Center (BBDC)

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The Berlin Big Data Center (BBDC) is a Competence Center funded by the German Federal Ministry of Education and Research lead by Technische Universität Berlin. The BBDC strives to fuse the academic disciplines of machine learning and data management into scalable data analysis. The goal of the Berlin Big Data Center is to help bridge the Talent Gap of Big Data through researching and developing novel technology. Our starting point is the Apache Flink system. We aim to enable deep analytics of huge heterogeneous data sets with low latency by developing advanced, scalable data analysis and machine learning methods. Our goal is to specify in these methods a declarative way and optimize and parallelize them automatically, in order to empower data scientists to focus on the analysis problem at hand.

In the talk, I'll highlight the challenges of processing Big Data, present the BBDC consortium, describe the goals and objectives of the BBDC, give a short introduction into Apache Flink including data processing and finally explain the technological goal of the BBDC: "development of declarative and scalable data analysis algorithms".

Presenter: HEMSEN, Holmer (TU Berlin)