

d-fine

—
analytical.
quantitative.
tech.

05th of May 2022

5:00 – 7:00 pm

+ get-together

Johann von Neumann-Haus

Room 1.115

Rudower Chaussee 25

[RUD25]

— d-fine @ HU Berlin

Quantum Machine Learning – Approaches, Applications and Results

Quantum machine learning methods are currently studied and applied to various datasets and instances. In this presentation we look at d-fine's engagement with these methods. Several approaches to quantum machine learning exist. We discuss parametrized quantum circuits. This approach is widely used for NISQ era quantum computers. Moreover, we elaborate how methods in eXplainable AI translate to the quantum world and how we can tackle these particular challenges.

Speakers: Patrick Steinmüller, Dr. Sebastian Schlenkrich

d-fine is a European consulting company with over 1,000 employees. Our projects focus on quantitative issues around data analytics, data science, modelling and the development of sustainable technological solutions.