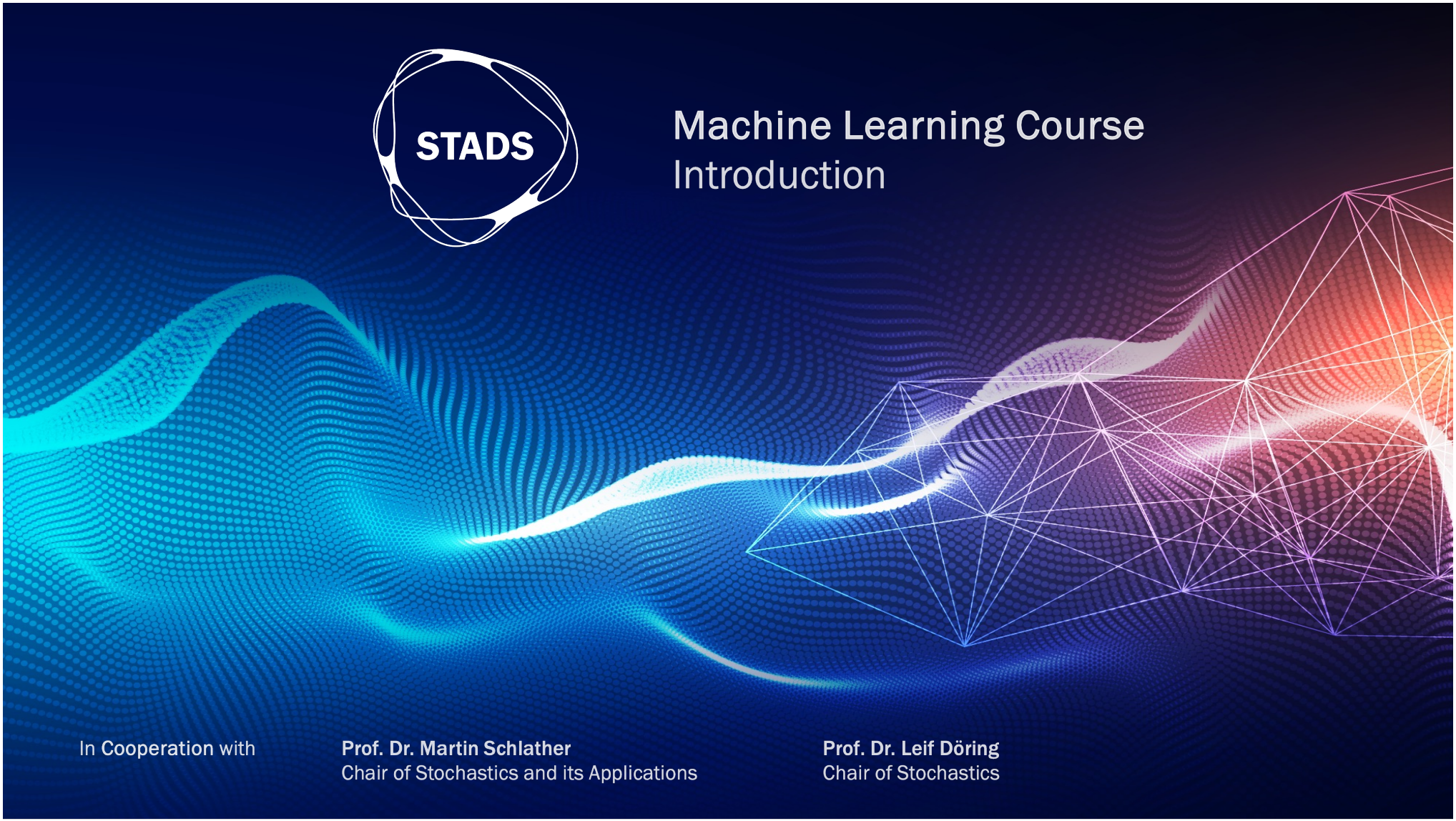
STADS
Machine Learning Course
Introduction
In Cooperation with
Prof. Dr. Martin Schlather
Chair of Stochastics and its Applications
Prof. Dr. Leif Döring
Chair of Stochastics

Who we are

Mariam Arustashvili
mariam.arustashvili@stads.de

Christof Peter
christof.peter@stads.de

Paul Burkhardt
paul.burkhardt@stads.de

Thilo Dieing
thilo.dieing@stads.de

Tim Gutberlet
tim.gutberlet@stads.de

Who is the course for?

STADS | Students' Association for Data Analytics & Statistics

- ✓ Students who have already had some experience with programming (preferably in Python)
- ✓ Students who know the basics of statistics, algebra, and probability theory.
- ✗ Students who do not have experience with programming or do not have a background in mathematics
- ✗ Students who have heard courses such as Machine Learning , Data Mining or others that cover Machine Learning.

What makes our course different from typical university courses?

The course is designed to spark your interest in Machine and Deep Learning

We cover exciting and current topics in Machine and Deep Learning

We focus on learning by doing

Course structure

Part I: Basics of Machine Learning	04.10 – Introduction to machine learning 11.10 – Neural networks
Part II: Computer Vision (CV)	18.10 – Convolutional Neural Networks 25.10 – Practical application of CNNs 01.11 – CV Challenge presentation
Part III: Natural Language Processing (NLP)	08.11 – Recurrent Neural Networks 15.11 – Practical application of RNNs 22.11 – NLP Challenge Presentation

What do you have to do to get a STADS certificate?

- Register via the form
- Participate in the 1st Challenge
- Participate in the 2nd Challenge

Course organization

https://shorturl.at/myBO5

Scan the code to access the GitHub

https://shorturl.at/gqLQ6

Scan the code to access the Teams