Advanced Seminar for Statistical Genetics
Machine Learning

Programme Winter Semester 2018/19

Where: L09, Albrecht-Thaer-Weg 3
When: Friday 10:15-11:45 when not announced otherwise
Language: English

Friday, October 26: Martin Schlather (University of Mannheim)
    An introduction to supervised learning

Friday, November 2: Thomas Lingner (Genevention GmbH, Göttingen)
    Machine Learning in Precision Medicine

Friday, November 16: Jan Lassen (Viking Genetics, Denmark)
    Animal identification and measurement of daily feed intake in dairy cattle using 3D camera technology

Friday, November 23: Torsten Pook (University of Göttingen)
    Deep Learning – an alternative for genomic prediction?

Thursday/Friday, November 29/30: Sebastian Herzog and Torsten Pook (Max Planck Institute for Dynamics and Self-Organization, Göttingen, and University of Göttingen)
    Introductory course: *Deep Learning – from theory to applications in genetics* (**special announcement follows**)

Friday, December 7: Patrik Waldmann (Swedish Agricultural University, Uppsala)
    Sparsity versus complexity modelling in genome-wide prediction

Friday, December 14: Johannes Brünger (Christian-Albrecht-University Kiel):
    Using machine learning algorithms to detect pigs

Friday, January 11, 2019: Nils Nölke (University of Göttingen)
    Deep Learning in Forest Remote Sensing: Methods, Applications and Outlook

Friday, January 18: Elisa Oertel (University of Göttingen)
    Topic Modeling - Clustering Techniques in Text Mining and Population Genetics

Friday, January 25: Christian Bauckhage (Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS, St. Augustin)
    Quo Vadis Machine Learning?

Friday, February 1: Jan-Henning Feil (University of Göttingen)
    Solving complex optimization problems in agriculture using genetic algorithms