

Promotionskolleg Module 6800: Machine learning in applied economic analysis
September 19-23, 2022 (in presence in Bonn, Nussallee 19, seminar room)

For all material, see [github repository](#)

Monday, August 23

10:00 – 12:00 Welcome, intro, prediction versus estimation, overfitting and regularization

12:30 – 14:00 Lunch Break

14:00 – 15:00 Continuation of the morning and Q&A

15:00 – 17:00 Supervised lab session with assignment

Tuesday, August 24

9:00 – 12:00 Trees, forests and ML model interpretation (Part 1)

12:00 – 13:30 Lunch Break

13:30 – 14:30 Continuation of the morning and Q&A

14:30 – 17:00 Supervised lab session with assignment

Wednesday, August 25

9:00 – 12:00 ML model interpretation (Part 2) and Intro Neural Networks

12:00 – 13:30 Lunch Break

13:30 – 14:30 Continuation of the morning and Q&A

14:30 – 17:00 Supervised lab session with assignment

Thursday, August 26

9:00 – 12:00 Neural Networks continued, ML and causal inference (Part 1)

12:00 – 13:30 Lunch Break

13:30 – 14:30 Continuation of the morning and Q&A

14:30 – 17:00 Supervised lab session with assignment

Friday, August 27

9:00 – 11:30 ML and causal inference (continued) and Q&A

11:00 – 13:30 Q&A session, brief own (verbal) research pitches related to ML

13:30 – 14:00 Feedback and farewell