Promotionskolleg Module 6800: Machine learning in applied economic analysis September 4 to 8, 2023 (in presence in Bonn, Nussallee 19, seminar room)

For all material, see github repository

For assignment upload: Use https://uni-bonn.sciebo.de/s/blRvhc4gnclpyQl with PW as sent to you in the original schedule via email.

Assignment submission instructions:

- Before uploading: Rename your file by appending "first name_ last name" to the end of the file name. Do keep the rest of the file name (e.g. 6800_Day1_FirstName_LastName.ipynb).
- 2. Please upload your assignment (i.e. your jupyter notebook) into the folder in the .ipynb format.
- 3. Deadline for submission of the assignments is October 15, 2023.

Monday, Sep 4

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, Sep 5

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, Sep 6

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

Thursday, Sep 7		
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, Sep 8 9:00 – 11:30	ML and causal inference (continued) and Q&A	
9.00 - 11.50	ML and causal inference (continued) and Q&A	
11:00 – 13:30	Q&A session, brief own (verbal) research pitches related to ML with the possibility to	
	discuss approaches and questions	
13:30 - 14:00	Feedback and farewell	