Machine Learning for econometrics

Causal perspective

Matthieu Doutreligne

January 10, 2025

Table of contents

- 1. Recall from the previous session
- 2. Lasso for predictive inference
- 3. Random Forests for predictive inference
- 4. Ensemble models
- 5.
- 6. Python: Common pitfalls in the interpretation of coefficients of linear models

Recall from the previous session

Lasso for predictive inference

Random Forests for predictive inference

Ensemble models

Python: Common pitfalls in the interpretation of coefficients of linear models

Resources

- https://web.stanford.edu/~swager/stats361.pdf
- https://www.mixtapesessions.io/
- https://alejandroschuler.github.io/mci/
- https://theeffectbook.net/index.html

Bibliography