

PSY9511: Seminar 5

Beyond linearity: Extensions of linear models and tree-based models

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24.09.24



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1. Exercise 3
2. Exercise 4
3. Recap
4. Extensions of linear models
 - 4.1 Generalized linear models (GLMs)
 - 4.2 Generalized additive models (GAMs)
5. Tree-based models
 - 5.1 Decision trees
 - 5.2 Random forests
 - 5.3 Gradient boosting (XGBoost)
6. Neural networks (Lecture 7/8)



Exercise 3



Exercise 3: Backward stepwise selection

<http://localhost:8888/notebooks/notebooks%2FBackward%20selection.ipynb>



Exercise 3: Lasso

<http://localhost:8888/notebooks/notebooks/Lasso.ipynb>



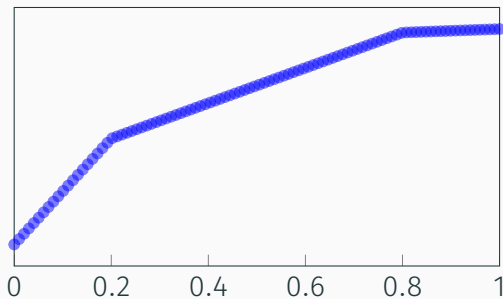
Exercise 4



Extensions of linear models



Extensions of linear models: Generalized additive models



Tree-based models

