

Machine Learning and Terrain data

Mathias M. Vege

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Abstract

None

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1 Methods and theory

1.1 Mean Square Error(MSE)

The mean square error, popularly called MSE is a function that

- 1.2 R^2 score
- 1.3 Bootstrapping
- 1.4 k -fold Cross Validation
- 1.5 Linear regression
 - 1.5.1 Ordinary Least Squares regression(OLS)
 - 1.5.2 Ridge regression
 - 1.5.3 Lasso regression
- 2 Implementation
- 3 Results
- 4 Discussion and conclusion

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References

- [1] F. Pedregosa, G. Varoquaux, A. Gramfort, V. Michel, B. Thirion, O. Grisel, M. Blondel, P. Prettenhofer, R. Weiss, V. Dubourg, J. Vanderplas, A. Passos, D. Cournapeau, M. Brucher, M. Perrot, and E. Duchesnay. Scikit-learn: Machine learning in Python. *Journal of Machine Learning Research*, 12:2825–2830, 2011.