

Comparison of Gaussian copula and random forest in zero-inflated spatial prediction

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Abstract

Spatial prediction and interpolation arises in many fields like blah blah blah. The random forest is blah blah blah. The Gaussian copula is an extension of the spatial linear model that blah blah blah. One sentence summary of simulation study results.

1 Introduction

Here is my introduction where I talk about the two methods: random forests[1] and Gaussian copula [3]

2 Methods

Here is my methods section where I talk about the math behind random forests and Gaussian copula[2].

3 Results

Here is my results section where I talk about the outcome of my simulation studies

4 Conclusion

Here is a conclusion where I will probably say something like Gaussian copula is better because statistics over machine learning 5ever.

References

- [1] Hengl et. al. *RFsp - Random Forest for spatial data (R tutorial)*. URL: https://peerj.com/preprints/26693v1/GeoMLA_README_thengl.pdf.
- [2] Jay M. Ver Hoef. “Sampling and geostatistics for spatial data”. In: *Ecoscience* 9 (2002), pp. 152–161.
- [3] Lisa Madsen. “Maximum Likelihood Estimation of Regression Parameters with Spatially Dependent Discrete Data”. In: *Journal of Agricultural, Biological, and Environmental Statistics* 14 (2009), pp. 375–391. DOI: 10.1198/jabes.2009.07116.