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Comparison of Gaussian process modeling software

Collin B. Erickson, Bruce E. Ankenman, Susan M. Sanchez

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Highlights

- Eight software packages are used to fit Gaussian processes to various functions.
- Comparisons are based on root-mean-square error of predictions over the input space.
- Prediction error estimates are compared with the actual root-mean-square error.
- Stark differences arise between packages even when using the same data and model.

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