

Supplement for

Bench Plot and Mixed Effects Models: First steps toward a comprehensive benchmark analysis toolbox

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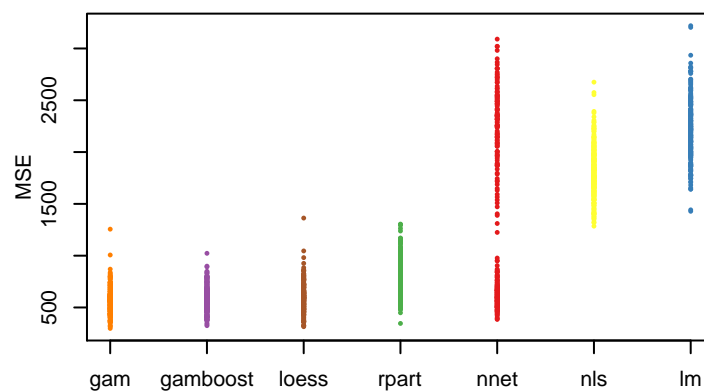


Fig. 1. Dot plot of the example experiment: the performance of each algorithm on each benchmark run is shown a dot.

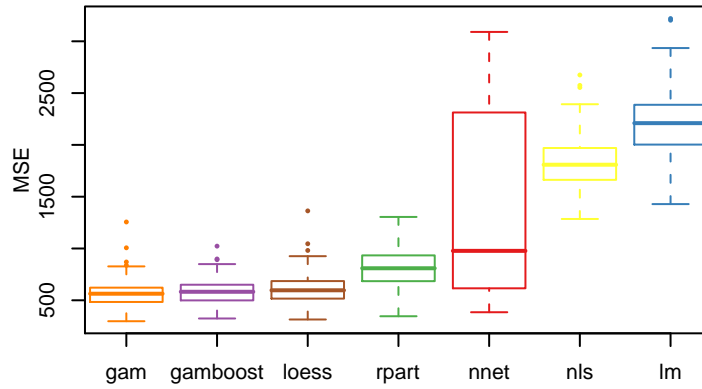


Fig. 2. Box plot of the example experiment: outliers are identified. In comparison to the dot plot, information about local minima is lost.

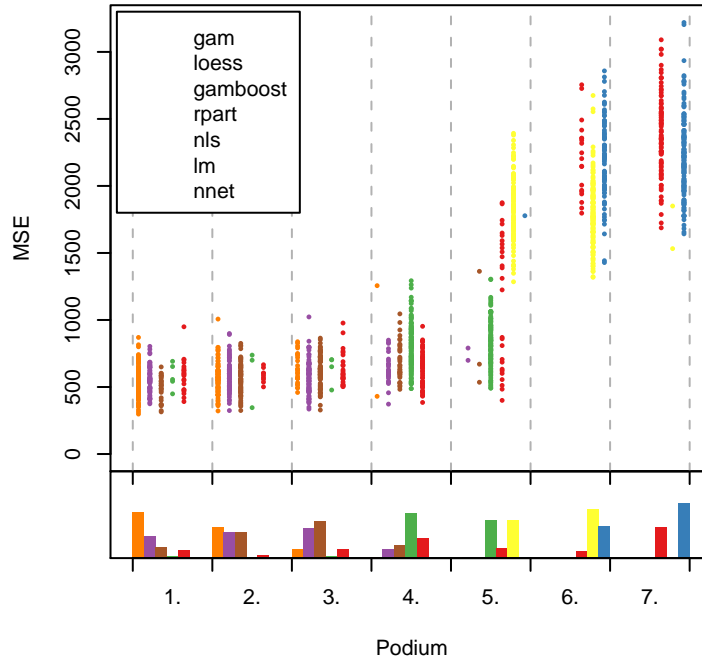


Fig. 3. Benchmark experiment plot of the example: the abscissa is a podium 7 places. For each benchmark run, the algorithms are sorted according to their performance values and a dot is drawn on the corresponding place. To visualise the count of an algorithm on a specific position, a bar plot is shown for each of podium places.

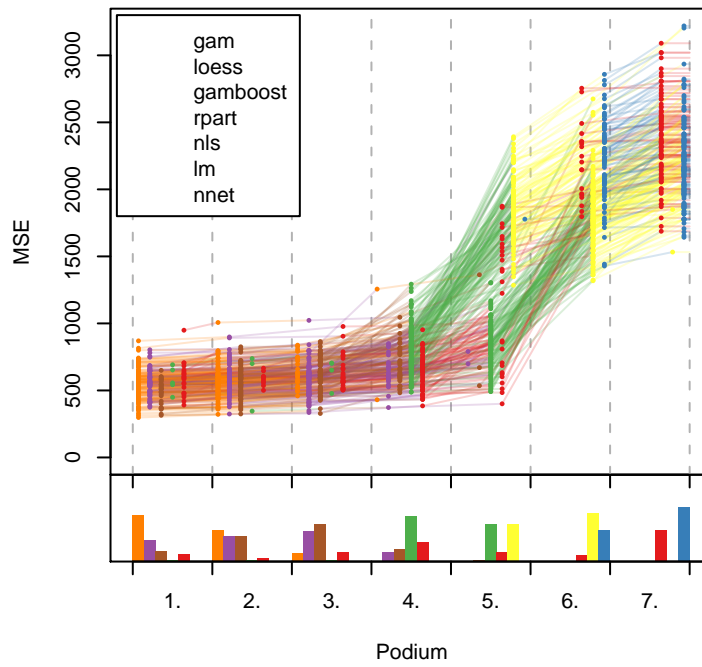


Fig. 4. Full benchmark experiment plot of the example: dependency of the dots displayed by connecting the dots corresponding to one bootstrap sample with a line. The line segment between two podium places is drawn with the color of the algorithm in the lower position, to overcome the problem of overdrawing line we use transparency (alpha shading).