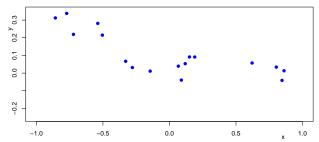
# On the validity of minimin and minimax methods for Support Vector Regression with interval data

Andrea Wiencierz<sup>1</sup> Marco Cattaneo<sup>2</sup>

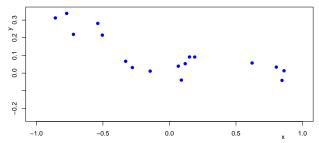
<sup>1</sup>Department of Mathematics, University of York

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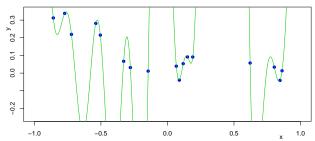
ISIPTA '15, Pescara, Italy 22 July 2015



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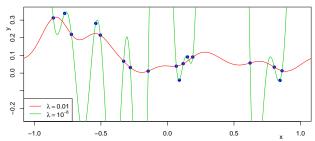
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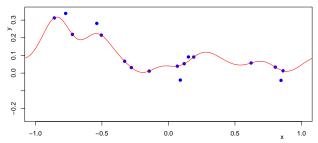
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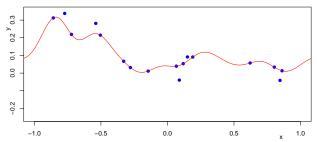
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$$f=\sum_{j=1}^n \alpha_j \,\kappa(\,\cdot\,,x_j),$$

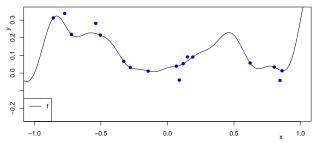


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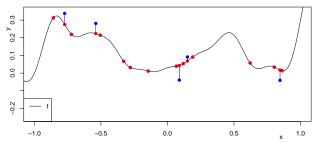
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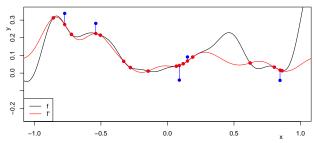
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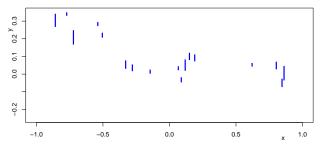


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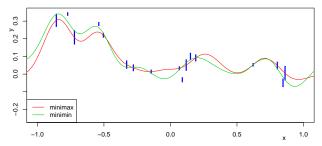
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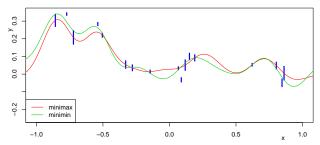


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- ► the more general case with interval data [x<sub>i</sub>, x<sub>i</sub>] × [y<sub>i</sub>, y<sub>i</sub>] ⊂ ℝ<sup>d</sup> × ℝ also presents the above difficulties