

## ***Interactive comment on “Predictive modeling of hourly probabilities for weather-related road accidents” by Nico Becker et al.***

**Anonymous Referee #2**

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The article investigates the effects of including weather-related information into a statistical model for predicting hourly probabilities of road accidents over Germany. The same analysis can be applied over different countries, provided that the required data sources are available.

This study fully exploits state-of-the-art meteorological data both in terms of high temporal and spatial resolution. Standard techniques are used for validation and verification. The contribution of this study to show the benefit of using meteorological data for predicting road accidents is valuable. As far as I can judge, there are no major flaws in the statistical analysis and the conclusions are well supported by the results. The presentation of the manuscript is clear and concise.

In conclusion, the study is valuable and worthy of publication.

C1

Very minor comments:

- Table 2. RAD\_INT. Please specify the meaning of the symbol P (it is not specified in Table 1)
- Page 2, line 30. "diving habits"
- Page 9, line 26. mm/h is in italic

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