Response to editor

Dear dr. Schröter,

Thank you for your in-depth reading and comments on the manuscript. We have revised the manuscript in line with these, see the track-changes version for point-by-point replies.

Upon your comment on the insensitivity of the median to outliers, I had a careful look at the model code and found a small error in the sampling procedure in the handling of road types where the street lighting was tagged as 'no'. I corrected this, and repeated the sampling procedure with a larger number of samples. Now there is no discrepancy between the deterministic and probabilistic approach. I updated all the values of the probabilistic approach and Figure 5. This does not affect any of the conclusions.

We are looking forward to the publication of the article in NHESS!

Yours faithfully,

Kees van Ginkel
On behalf of all the co-authors.