

Reproducible report example

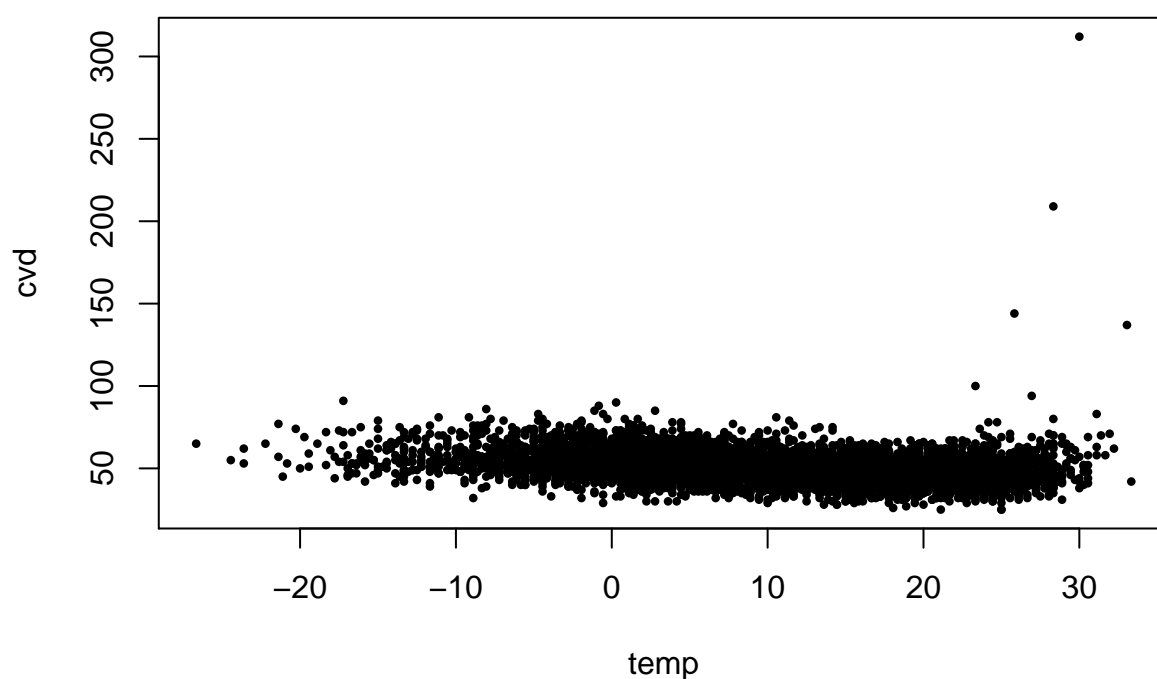
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Some exploratory analysis

In this section we do some exploratory analysis of the NMMAPS data for deaths in Chicago 1987-2000. The code, messages and intermediary results are hidden in the resulting report document.

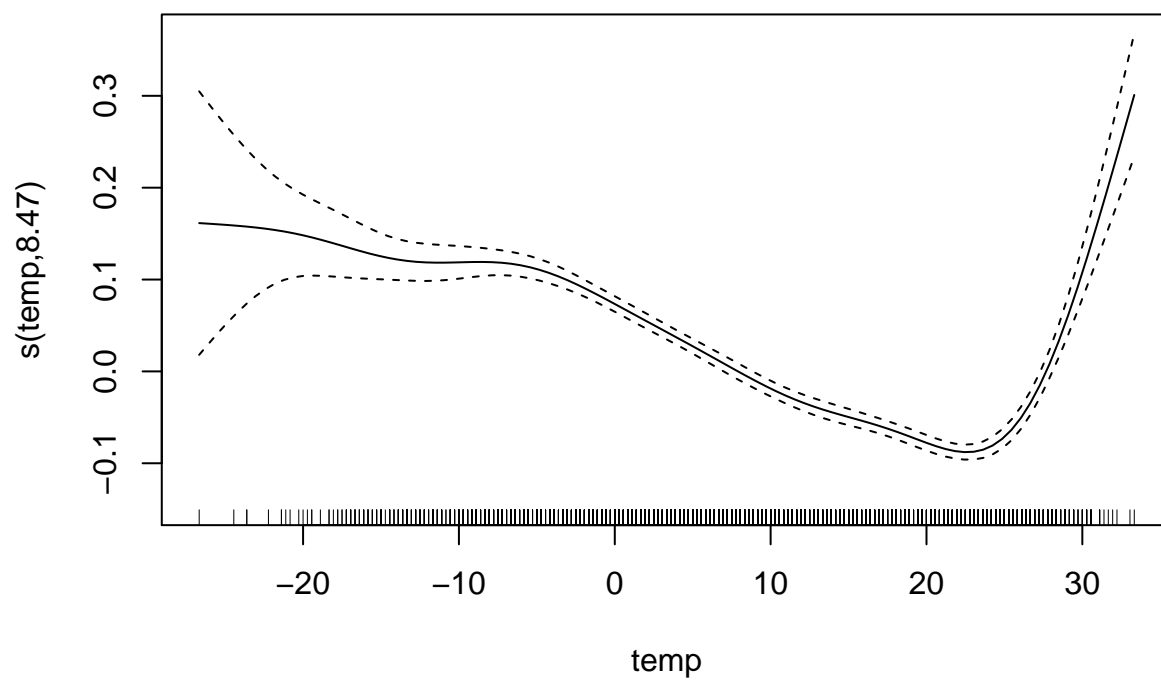
We made a simple scatter plot shown below

A scatter plot of daily temperatures against deaths



We ran some exploratory models. A Poisson GAM with smooth functions on temperature and time was compared to a linear fit on temperature.

The exposure–response function estimated using MGCV



The result can be automatically inserted to the text. This model has a delta AIC of -289.8 (smoothed minus linear term).