Exposure to Dust - Generalized Additive Models

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For GAMs the package "mgcv" is used.

library(mgcv)
library(catdata)
data(dust)

The first model uses bivariate smoothing for the covariates "dust" and "years" from the "dust"–data. By the option "pers=TRUE" the bivariate effect can be plotted three–dimensional.

plot(gamdust1, pers=TRUE)

Now each covariate is fitted separately, afterwards both effects are plotted.

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plot(gamdust2, select=1)
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plot(gamdust2, select=2)