

# **Air Pollution and Mortality**

## **Abstract**

In India, alkaline soil hampers tree growth. Thus, one is looking for tree species which are resistant against such environmental conditions. In a big outdoor test, 123 trees were planted on a big field with considerable variation in the soil pH-value. After 3 years of growing, their height was measured.

In the dataset, we are not only given pH-value and height, but also the squared height, as well as the log-transformed sodium absorption ratio (SAR). This predictor captures some different aspects of the basicity of the soil.

## **Notes**

One of the main goals in this study is to predict the tree height for given soil parameters (pH-value and logged SAR). Additionally, we can also question whether the second predictor has a relevant contribution on the outcome. Also interesting are some aspects about outliers and robust fitting.