Access the data from the *Maas* river at:

```r
a <- read.table("http://www.stat.ucla.edu/~nchristo/statistics_c173_c273/
soil.txt", header=T)
```

a. Create a grid (use `by=50`).

b. Use the `idw` function of `gstat` to predict the value of the logarithm of `lead` at every point of the grid.

c. Plot the predicted values and create a raster map using the `spplot` function.

d. Collapse the vector of the predicted values into a matrix and then use the `image` function to repeat question (c).