A brief description of the spectrometric data

This dataset is a part of the original one which can be found at *http://lib.stat.cmu.edu/datasets/tecator*. For each unit i (among 215 pieces of finely chopped meat), we observe one spectrometric curve ($\boldsymbol{x}_i$) which corresponds to the absorbance measured at 100 wavelengths (i.e. $\boldsymbol{x}_i = (\chi_i(\lambda_1), \ldots, \chi_i(\lambda_{100}))$. Moreover, for each unit i, we have at hand its fat content y_i obtained by an analytical chemical processing. The file "npfda-spectrometric.dat" contains the pairs $(\boldsymbol{x}_i, y_i)_{i=1,\ldots,215}$ and is organized as follows:

	Col 1	$\cdots$	Col j	$\cdots$	Col 100	Col 101
Row 1	$\chi_1(\lambda_1)$	$\cdots$	$\chi_1(\lambda_j)$	$\cdots$	$\chi_1(\lambda_{100})$	y_1
$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$
Row i	$\chi_i(\lambda_1)$	$\cdots$	$\chi_i(\lambda_j)$	$\cdots$	$\chi_i(\lambda_{100})$	y_i
$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$
Row 215	$\chi_{215}(\lambda_1)$	$\cdots$	$\chi_{215}(\lambda_j)$	$\cdots$	$\chi_{215}(\lambda_{100})$	y_{215}

The first 100 columns correspond to the 100 channel spectrum whereas the last column contains the responses.