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Traceis[™] Data Exploration Studio k-nearest neighbors



In this example, the body fat dataset was used. First, click on the prediction step



Select the kNN tab



Select descriptors

In this example, all descriptors were selected except density and percent body fat.

2 Select response

In this example, percent body fat was selected as the response value.

Select k

3

A value for k must be set, either manually or by selecting the best value from a specified range. In this example, values for k between 1 and 100 are tested and the best value chosen.



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Enter the cross-validation percentage In this example, a model is to be built using a 10% cross-validation.



Enter names for the prediction and residual variables



Display the model



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The value of k used to build the model is shown

2 View model assessment

An assessment of the model is presented. The assessment of a model built where the response is continuous is shown. When the model is built using a categorical response, a contingency table of actual values versus predicted values is presented.

