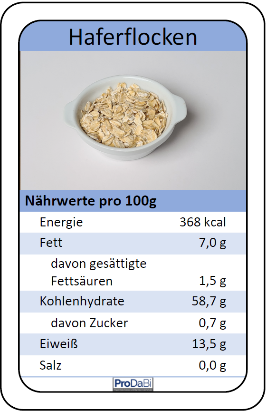
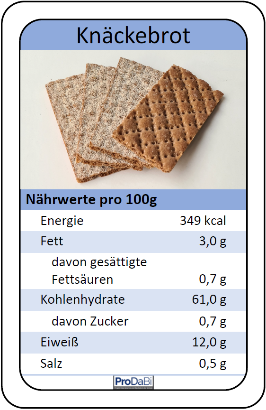
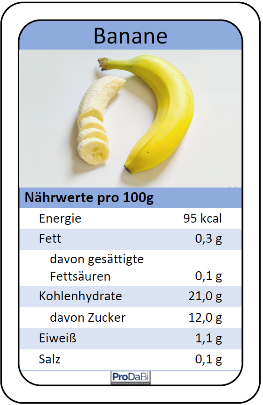
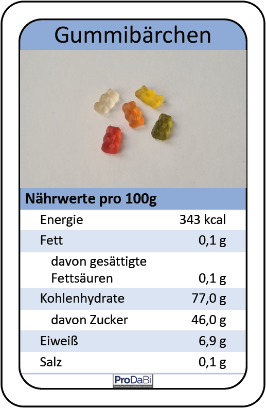
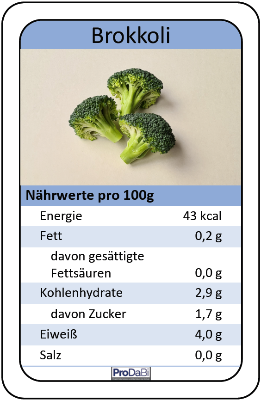
How a threshold value is systematically determined

Look at the following food cards. These are arranged in ascending order according to the energy characteristic.

**A threshold value is selected with the help of a computer:**

Various threshold values are tested. The average of two neighboring values is always calculated. ALL threshold values determined in this way are considered and the number of incorrectly classified foods is counted in each case. The threshold value is then selected for which the least foods are misclassified.

Now work like the computer and find the optimum threshold value with the help of the table!

**Such a table is then created for all characteristics.**

**In this way, an optimal threshold value is determined for all features! Then a comparison is made as to which feature produces the best value (the one with the fewest misclassifications).**

|  |  |
| --- | --- |
| **Possible threshold value** | **Number of incorrectly classified foods** |
| **28** |  |
| **69** |  |
| **219** |  |
| **346** |  |
| **359** |  |
| **408** |  |
| **489** |  |

The optimum threshold value is: \_\_\_\_\_\_\_\_.