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| --- | --- | --- |
| **Klassifikator** | **Kreuzvalidierungsfehler** | **Generalisierungsfehler** |
| Decision Tree | 0,412 | 0,469 |
| SVM | 0,357 | 0,387 |
| kNN | 0,428 | 0,449 |

**Parameter Decision Tree:**

DecisionTreeClassifier(criterion="gini", max\_depth=4, random\_state=0)

Accuracy \_train =0,588 Kreuzvalidierungsfehler = 1-0,588 = 0,412

Accuracy\_test = 0,531 Generalisierungsfehler = 1-0,531 = 0,469

**Parameter SVC:**

clf = SVC(kernel='rbf', C=1,gamma = 0.7, random\_state=0)

Acc\_train = 0,643 CV-Error = 0,357

Accuracy\_test =0,6133 Generalisierungsfehler =0,387

**Parameter kNN:**

knn = neighbors.KNeighborsClassifier(n\_neighbors=39)

Acc\_train = 0,572 CV-Error = 0,428

Accuracy\_test =0,551 Generalisierungsfehler =0,449