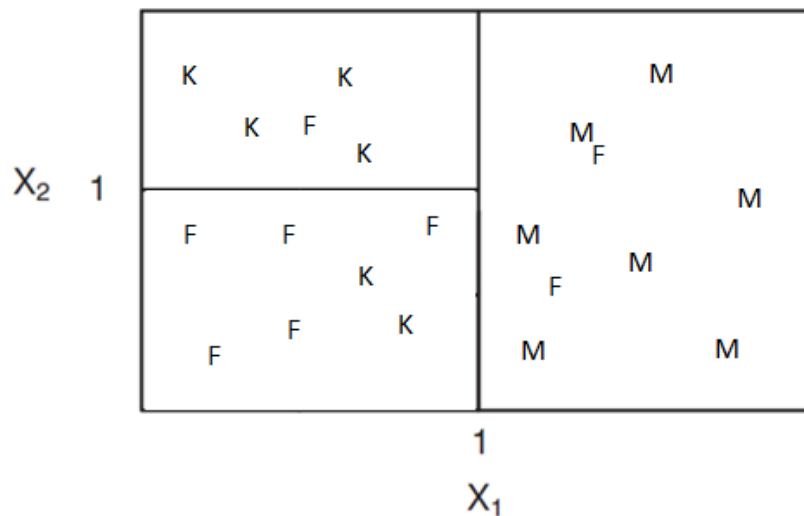
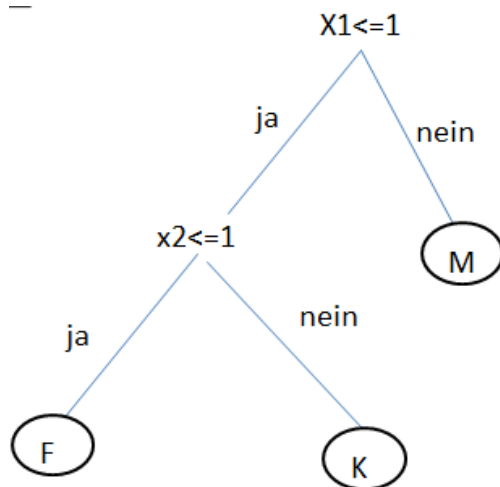


In-class exercise week 14: [solution](#)
Topic: Classification tree and confusion matrix

- a) The plot shows a feature space of two predictors (x_1, x_2). and splits leading to a partitioning of the feature space



- (i) Sketch the corresponding classification tree



- (i) Determine the corresponding confusion matrix and calculate the accuracy (also known as classification rate).

	Predicted M	Predicted F	Predicted K
True M	7	0	0
True F	2	5	1
True K	0	2	4

$$\text{Accuracy} = \frac{7+5+4}{7+5+4+2+2+1} = 76\%$$