

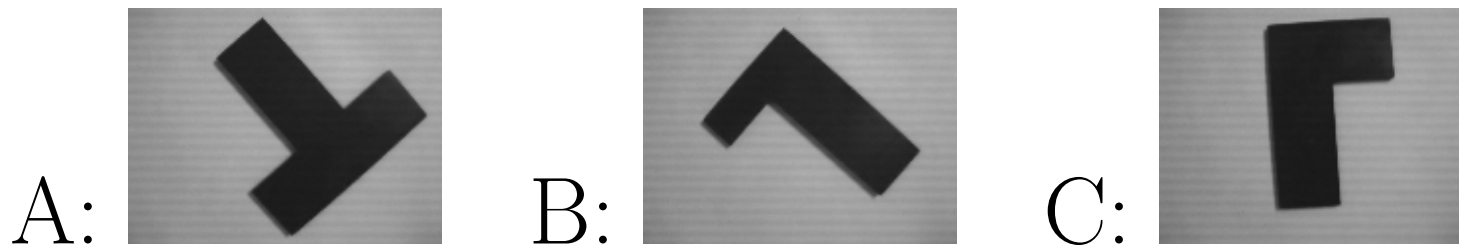
Shape Recognition Example

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Flat Shape Recognition Example



4 instances of each

a priori probability = 0.33

Example Training

For the batch-mode training used here,
can merge Training and Validation sets.

We have 4 samples per class for training

Can use at most 3 properties.

Training Log

doall(2)

Model file name (filename)

?blocks

Number of classes (int)

?3

Training image file stem (filestem)

?TESTDATA1/f

Number of training images (int)

?12

Train image 1 true class (1..3)

?1

Recognition Performance

Confusion matrix:

		Computed Class		
		A	B	C
True Class	A	4	0	0
	B	0	3	1
	C	0	0	4

One class B part was flipped over:
properties different

Lecture Overview

- Bayes Classifier: a simple process but well founded
- Works well because reliable feature extraction and features easily discriminate these simple classes
- Choosing good features is hard and problem specific