

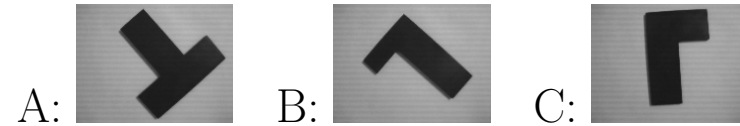
Shape Recognition Example

Robert B. Fisher
School of Informatics
University of Edinburgh

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Flat Shape Recognition Example



4 instances of each

a priori probability = 0.33

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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.

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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
***
```

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Recognition Performance

matrix:

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

properties different

One class B part was flipped over:

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 is hard and problem specific