



Image Classification and Document Retrieval

- Similarities:
 - Image and text contain a lot of data.
 - Structure of data hard to understand automatically.
 - Locality is important.
 - Similarity and Classification important
 - Lots of data available.
- Differences
 - Words are powerful features; features less obvious in images.
 - Documents are (more) discrete.





Bags of features for object recognition Caltech6 dataset			
class	Zhang et al. (2005)	Willamowski et al. (2004)	Fergus et al. (2003)
airplanes	98.8	97.1	90.2
cars (rear)	98.3	98.6	90.3
cars (side)	95.0	87.3	88.5
faces	100	99.3	96.4
motorbikes	98.5	98.0	92.5
spotted cats	97.0		90.0
(Slide Lazebnik)			







