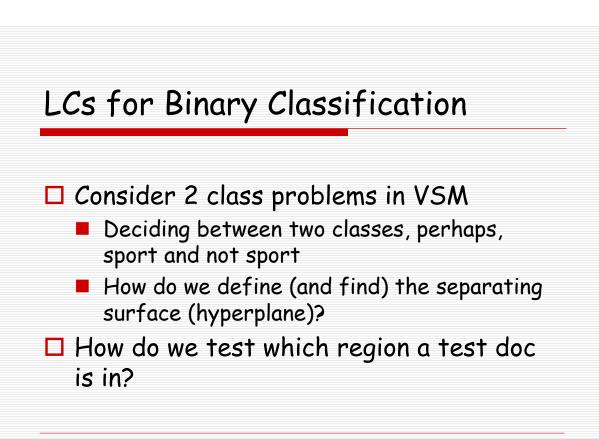


- A linear classifier is a classifier such that classification is performed by a dot product between the two vectors representing the document and the category, respectively. Therefore it consists in a document-like representation of the category c_i
- Linear classifiers are thus very efficient at classification time
- Methods for learning linear classifiers can be partitioned in two broad classes
 - Incremental methods (IMs) (or on-line) build a classifier soon after examining the first document, as incrementally refine it as they examine new ones
 - Batch methods (BMs) build a classifier by analyzing Tr all at once.

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