University of Southern Denmark IMADA

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DM 555: Data Mining and Statistical Learning

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Repetition 3

Repetition 3-1

- (a) In what sense do we 'explain' data in terms of a 'model'?
- (b) How do we use Bayes' rule for learning a model to explain data?
- (c) Explain the naïve Bayes classifier.
- (d) Discuss the algebraic/geometric view vs. the probabilistic view of data. Give examples in explaining learning algorithms encountered in the lecture geometrically vs. probabilistically.
- (e) Discuss parametric learning vs. non-parametric learning. Give examples.
- (f) Discuss similarities and differences between the k-means and the EM clustering algorithms.