Index

B Bayesian inference, 75, 77 binary mixture model, 32 block model, 58 C classification	high dimensional, 9 qualitative, 36 distribution Bernoulli, 32 Gaussian, 26 dynamic cluster method, 7, 22, 57
expectation-maximization, 22, 28	E
cluster analysis, 1 number of, 14, 51 clustering, 1 crossed, 53 fuzzy, 8, 24 model-based, 11 complete data, 16 components number of, 14 conditional independence, 59	EM algorithm, 15, 17–20 entropy, 19, 26, 170 error rate, 64–66 expectation-maximization, 15 G, H Gaussian mixture model, 26, 28 hierarchical clustering, 4 Ward's method, 3
D data	I
binary, 32 categorical, 36 contingency, 41 continuous, 26	inertia intraclass, 30 within-group, 2 initialization, choice of, 51

200 Co-Clustering

k-means, 5 algorithm, 3 fuzzy, 8 k-medoids, 8 k-modes, 8 L latent class model, 32 latent block model, 59, 60 likelihood	mixture, 11 binary, 32 Gaussian, 26 MNDKI2, 41, 47, 48 model choice of, 51 latent class, 32 mixture, 11 parsimonious, 33, 38 multimonial mixture model, 43
classification, 21 complete-data, 16 M map	S sparse data, 77 sum of squares within-group, 2, 3, 23, 30
Kohonen, 8 self-organizing, 8 maximum a posteriori, 20	T table contingency, 41, 43, 47