Short contents

I	Concepts from modeling, inference, and computing	15
1	Probabilistic modeling and inference	17
2	Dynamical systems and Markov processes	45
3	Likelihoods and latent variables	99
4	Bayesian inference	117
5	Computational inference	141
11	Statistical models	181
6	Regression models	183
7	Mixture models	205
8	Hidden Markov models	221
9	State-space models	263
10	Continuous time models*	275
111	I Appendix	285
Α	Notation and other conventions	287
В	Numerical random variables	289
С	The Kronecker and Dirac deltas	299
D	Memoryless distributions	303
Е	Foundational aspects of probabilistic modeling	305
F	Derivation of key relations	317
Index of terms		339

^{*}This is an advanced topic and could be skipped on a first reading.