## INDEX

Absolute continuity 99, 102 Chebyshev's inequality 208

Admissibility 96, 169, 220, 223-226, 231-232, 237, 247, 256	Chi-squared distribution 28  (see also gamma distribution)
Affine: projection 10 transformation 7	Complete class 107, 110, 220, 224, 228 230-231, 237, 256, 259
Aggregate exponential family 191-194, 203-206, 250	Completeness 42, 96, 230, 232
Analyticity 38	(see also bounded completeness)
Asymptotic: normality 172-173 optimality 252	Conditional: distribution 21, 30 dominating measure 25
Bayes: acceptance region 40	Conical set 233, 251
procedure 262, 263 risk 97 test 69, 226, 246	Conjugate prior 90, 106, 112, 116, 168
(see also generalized Bayes)	Contingency table 27, 30, 67, 158, 17 247
Behrens-Fisher problem 68	Contiguous alternative 232, 250
Bessel function 77	Continuity Theorem for Laplace transforms 48-53
Beta distribution 60, 150  Bhattacharya inequality 126	Convex: dual 178 hull 2 polytope 50
Binomial distribution 60, 76, 135, 136, 203	support 2
Bounded completeness 61	Convolution 61 Cramer-Rao inequality (see information
Canonical exponential family (see standard exponential family)	inequality)
Cauchy-Schwarz inequality 91, 124  Censored exponential distribution 83-84, 163-165	Critical function 220, 269  Cumulant generating function 1, 31, 38, 71, 145
Characteristic function 42	