

## Subject Index

- adaptive algorithm 149, 163
- algorithm
  - adaptive 149, 163
  - k-means 240
  - LBG 237
  - Newton-Raphson 145
- analysis
  - correspondence 195
  - covariance structure 123, 347
  - discriminant 6, 163
  - factor 1, 123, 297, 369
  - interim 263
  - logratio 73
  - prequential 211
  - regression 3, 26, 440, 445, 461
  - of variance, multivariate 1, 97
- ancillary directions 253
- arrangement increasing functions 56
- associated random variables 65
- asymptotics
  - Box approximation 133, 137, 327
  - chi-squared distribution 369
  - covariance matrix 225, 301
  - distribution 2, 178, 315, 323, 347, 369
  - efficiency 127, 413
  - modulated densities 253
  - optimality 151, 164
  - third order 253
- Bartlett's test 323
- base component 360
- Bayesian discrimination 220
- Bayesian inference 211, 221, 263
  - hypothesis testing 211, 221, 323
  - posterior-sampler 221
- Bayesian risk 149
  - consistent 149
  - efficiency 331
- beta distribution 390
  - multivariate 37
- bootstrap procedures 449
- Box approximation, 133, 137, 327
- canonical correlation 177
- canonical functions 199
- canonical parameter 253
- change-point 397
- characterization of distributions 37
- chi-square distribution 111, 123, 390
  - asymptotic 369
  - non-central 144, 263
- circular model 143
- classification 217
- cluster regression 369
- cluster sampling 83, 369
- Cochran's Theorem 111, 394
- complex model
  - hierarchical 221
  - survey designs 221
- compositional data 73
- concomitant variables 253
- concordant of order  $r$  139
- conditional bias 281
- conditional independence 97
- confidence region 37, 461
  - for change point 397
- confirmatory factor analysis 123, 297
- confluent hypergeometric function 144
- conjugate prior 202, 217
- consistent estimate 126, 143, 203