

- Expected value, 636
- Exponential-demand function, 324
- Exponential model, 507
- Exponential smoothing, 436
- Extreme point, 643

- Fare-basis code, 522
- Fare class, 521–522
- Feasible solution, 645
- Federal Energy Regulatory Commission, 547
- Ferry RM, 560
- Finite-population model, 184–185, 223
- First-order necessary conditions, 645–647
- Forecasting, bottom-up versus top-down, 418
- Free individual traveler (FIT), 524
- Free sale, 122
- FreeMarkets, 244
- Freight RM, 564
- Friedman, Milton, 137

- Geometric distributed-lag model, 507
- Gibbs sampling, 481
- Global distributed system (GDS), 86, 523, 598
- Global optimum, 645
- Gradient, 644
 - estimator, 170
- Gram-Charlier series, 148
- Group size
 - empirical distribution, 150
- Group size, in overbooking models, 150
- GRP, 544
- Gutenberg model, 507

- Hausman-type test, 491
- Hazard rate, 316
- Hessian, 644
- Holt-Winter's method, 438
- Homoscedasticity, 423
- Hotel RM, 524

- i.i.d.*, 636
- IATA, 516, 518
- Imputed cost, 146
- Incentive compatibility constraint, 256
- Incidence matrix, 166
- Incidence vector, 87
- Increasing-differences property, 648
- Independent-demand model, 301
- Independent random variables, 636
- Indexing, 85, 104
- Inelastic demand, 313
- Inequality constrained optimization problem, 646
- Infinite-population model, 184–185, 225
- Infinite overbooking, 158
- Information asymmetry, 664
- Information rent, 258
- Instrumental-variables (IV) techniques, 429
- Intercontinental Exchange (ICE), 550
- Interlining, 518
- Intermodal shipping, 565
- Interpool, 532
- Intrapool, 532
- Inventory-depletion effect, 195
- Inverse-demand function, 313
- Iterative DAVN, 108
- Iterative decomposition methods, 108, 110
- Iterative prorated EMSR, 108–109

- Jackknife estimator, 487
- Jensen's inequality, 637
- Joint distribution, 635

- Kahn, Alfred, 137
- Kalman filter, 458
- Kaplan-Meier estimator, 52, 483
- Kuhn-Tucker conditions, 647

- Lagrange multiplier, 646
- Law of one price, 337
- Length-of-stay control
 - maximum stay, 530
 - minimum stay, 530
- Less-than-truckload (LTL) shippers, 565
- Likelihood ratio test, 489
- Linear-demand function, 323
- Linear-regression estimator, 423
- Littlewood's rule, 36
- Local optimum, 645
- Log-linear-demand function, 324
- Log-linear, 507
- Log-reciprocal, 507
- Logistic, 507

- M-period moving-average forecast, 435
- Machine learning, 464
- Make-to-order (MTO) manufacturer, 575
- Make-to-stock (MTS) manufacturer, 574
- Manufacturing RM, 574
- Manufacturing, dynamic pricing in, 178
- Marginal distribution, 636
- Marginal revenue, 315
 - monotone, 316
- Market-basket effects, 538
- Market information data tapes (MIDT), 413
- Markov-chain Monte Carlo (MCMC), 481
- Maximum-likelihood (ML) estimator, 425
- Maximum concave envelope, 195