INDEX

401(k) funds 439
abnormal return 207, 209
absolute risk aversion 25
active funds 80
adaptive expectations 409, 410
ADRs 437
aggregate equity index 342
aggregate price indices 555–6
ambiguity aversion 430, 440
annual average geometric return 6
annuity factor 8
anomalies 88, 114, 424, 433–47, 484
arbitrage 427–8
arbitrage pricing theory 181–7, 195–202
arbitrageurs 427–8
arithmetic average 3–4
Arrow-Pratt measure of (local) absolute risk aversion 17
asset allocation 116, 141, 157, 375, 389, 472, 475
and uncertainty 389, 391, 393
intertemporal 355–68, 375–92
asset demands 19–25
Augmented Dickey–Fuller (ADF) test see Dickey-Fuller test
autocorrelation 231, 459, 473
autoregressive conditional heteroscedasticity (ARCH) 55, 75, 103, 158, 342, 420, 638, 653, 654–66
Autoregressive Moving Average (ARMA) 39, 83, 93–5
bandwagon effect 453, 676
Bayes Theorem 161–3, 393–6
Bayesian learning 47–50, 51, 414, 588–9
BDS-test 105
bed and breakfasting 434
behavioural finance 423–49
BEKK 594, 667
benefit scheme 80
beta 80–1, 115, 134–8, 191, 192, 194
CAPM 117–19
beta risk 170, 176
bid-ask bounce 679
bid-ask spread 673–4
Black–Scholes equation 631, 654
Black Wednesday 551
bliss point 18
block exogeneity tests 511
bond-equivalent yield 12
bond market 663–4, 670–1
bond returns 668–70
bond 1–7, 79, 637–8
coupon-paying 11–12, 492
index-linked 78
non-callable 11
plain vanilla coupon paying 490
zero coupon 10, 12, 13, 491, 492, 522–3, 637–8
book-to-market ratio 210–11
book-to-market factor (HML) 211
bootstrap snooper 434, 680
bootstrapping 39, 51, 155, 198–9, 201–2, 229–31, 236–40, 536, 640
block bootstrap 46, 202
Box-Muller transformation 650
bubble intrinsic 404–8
periodically collapsing 403
rational 397–401, 623–4
South Sea bubble 397
Tulipmania bubble 397
budget constraint  363
bull run  443
calendar effects  433–4
calibration  47
Campbell–Shiller linearised
  formula for stock returns  296–7
candlestick charts  426
Capital Asset Pricing Model
  (CAPM)  13, 115, 132–4, 143, 151, 186–7, 210, 235
and beta  117–19
conditional  190, 316
conditional-beta  211
cross-equation restrictions and
  APT  199–201
cross-section tests  190–5
domestic  346
extensions of  176–9
heterogeneous expectations
  179
international  346
intertemporal  658
multifactor models and APT
  195–202
time-series tests  189–90
UK cross-section data  198–9
unconditional  316
United States cross-section data
  195–8
vs C-CAPM  309–14
zero-beta  177–8, 187, 190
see also consumption-CAPM
capital market line (CML)  115, 129, 143, 165–7
Carhart’s alpha  210–11
Carhart’s four-factor model  212, 218–19, 230, 235
cash-in-advance models
  598–605
FRU and  598–605
habit persistence  599–604
standard  598–9
change-in-long-rate equation  522
change-in-short rate equation  522
Chartists  426, 458, 675, 676, 677–8, 682
see also noise traders
Choleski decomposition  648, 650
closed-end funds  437–8, 457
cointegration  36–8, 100–3, 516–18
co-movement in stock returns
  438–9
compound interest  1, 2
conditional-alpha  212, 235
conditional-beta  235
conditional-CAPM  190, 211, 316
conditional covariance  382, 669
conditional density function  60
conditional expectation  60–1
conditional models  228
conditional performance measures
  211–12
conditional probability distribution
  60
conditional volatility  656, 668
conservatism bias  444
constant absolute risk aversion
  (CARA)  18–19, 414, 469, 472
constant excess returns model
  283, 284
constant relative risk aversion
  (CRRA)  18, 95, 383–5, 413
consumption  28–32, 330–1, 382, 383
consumption-CAPM (C-CAPM)
  94, 303–9, 309–17, 323–53, 361, 365, 399, 540, 593–7
consumption-habit persistence
  model (Campbell-Cochrane)
  347–9, 430, 483
consumption-portfolio problem
  369–70
cumulative abnormal return (CAR)
  207
data-mining  99, 101, 434
data-snooping bias  86, 434, 680–1
debt-equity ratio  59, 657, 664
default spread  99
defined benefit schemes  80
delta (of an option)  631–5, 641, 644–5
delta approximation  642
delta-gamma approximation  635, 641, 644–5
delta hedging  458
delta-normal approach  627, 638
delta valuation method  633, 634
derived utility of wealth function
  363
Dickey-Fuller test  37, 40, 556
diffusion of opinions models  433
disappointment aversion (DA)
  385–6
discount rate  411–13
discounted present value (DPV)
  7–13, 33, 245
dispersion of opinions  467
disposition effect  440
dividend-price ratio  84, 96–9, 100, 102, 105–6, 190, 252, 266, 274–5, 277–8, 281,
  293, 389, 390, 393, 410, 453, 482, 483, 653
see also earnings price ratio
dot.com boom  96
earnings price ratio  99, 100, 102
effective annual rate of return  1, 2, 3
efficient frontier  115, 124–6, 143–4, 164–5
efficient markets hypothesis
  (EMH)  53–72, 256, 424–5, 453
efficient-portfolios  119
EGARCH  664, 665
Ellsberg paradox  429–30
Engle-Granger representation theorem 38–9, 101, 574, 577
envelope condition 366, 369–70 epidemics 463
Epstein-Zin C-CAPM model 339–40, 341, 343
Epstein-Zin utility function 341–3, 392
expected equilibrium return 62, 117
equity 78, 350–3
equity premium 62, 117
equity premium, forecasts of 81–2
error correction model (ECM) 38, 100–3, 618, 619, 620
estimation error 157–9, 160
ESTAR 104–106
exchange rate overshooting 550, 608, 610–13, 615, 625
exchange rate regimes 549–52
exchange rates 574, 604–5
expectations 59–65, 246, 360–1, 611, 674–9
see also rational expectations
expectations hypothesis 494–5, 498–500, 501–14, 522–38, 584
alternative representations 502–5
case study 523–32
divergent results 535–6
forward rates 499
future short-rate equation 513–14
long-rate equation 513
UK studies 530–2
US studies 532–5
VAR approach 506–11, 526–8

vard bounds tests 504–6
yield curve 499–500
expected returns 82, 92, 120
expected utility 14
expected value 15
exponential-STAR (ESTAR) model 104–6, 559, 620
exponentially weighted moving average (EWMA) 158, 170, 630, 638, 639, 655
extrapolative model 676
extreme value theory 628, 646–7
factor analysis 186, 195
factor mimicking portfolio 234–5
factor models 315–17
fair bet/game 14, 17, 56, 59–65
fair value 10, 53, 247
Fama-French regressions 88, 94, 95
Fama-French three-factor model 196, 197, 200, 207, 230, 235, 236, 442
Fama-MacBeth rolling regression 193–4, 200, 201
filter rules 679
finite horizon 461
first-order conditions (FOC) 342, 356, 358–9, 360–1, 368–9, 538
Fisher hypothesis 544, 609, 610
flex-price monetary model (FPMM) 607, 608–10, 623, 624
forecast equity premium 81–2
foreign exchange market 549–65, 568, 569, 591–605, 672–4
foreign investment 6–7, 56
forward-looking models 616–17, 620–2
forward premium puzzle 576
forward rate regressions 520–1
forward rate unbiasedness (FRU) 155, 562, 574–80, 585–6, 592–3, 598–605
Full Valuation Method 635
fundamental (fair) value 10, 53, 247
future-short-rate equation 501
futures hedge 667–8
gambler’s fallacy 429
gamma (of an option) 632, 633
GARCH 103, 159, 170, 340, 342, 343, 535, 539, 595, 638, 639, 653, 654, 664–5
GARCH-in-mean 252, 578, 659–60, 670, 681
GARCH(1,1) model 75, 76, 138
multivariate GARCH 665–71
multivariate GARCH-in-mean (MGM) model 342, 540, 541
generalised expected utility (GEU) function 339–40
Generalized Method of Moments (GMM) 41, 180, 201, 276, 302
geometric average 3–4
geometric Brownian motion (GBM) 642

gilt-equity yield ratio (GEYR) 100–1, 107
Gordon Growth Model 10, 82, 245, 249, 252, 275, 405, 409–11
Granger causality 50, 101
Hansen-Jagannathan bounds 325–7, 333–6, 354
Hansen’s J-test 420
Hedge Funds 226–27, 426
hedging 378–9, 382
herding 398, 463
heterogeneity 676
heteroscedasticity 75, 265, 495
high minus low (HML) book-to-market portfolio 195
historic alphas 212, 213
historic simulation approach 646
holding period return (HPR) 12–13, 492, 522–3, 539, 663
holding period yield (HPY) (see holding period return)
Home Bias Problem 155–56, 439
horizon effects 386–9
hostile takeovers 58
hubris hypothesis 448
hyperbolic absolute risk aversion (HARA) 19
hyperinflation 610
index effect 437
index fund 56
index-linked bonds 78
index tracking 160–1
indifference curves 13–19, 25–7
information ratio 172
informational efficiency 65, 83
informational test for 65, 66, 68
initial public offering (IPO) of shares 206
inside spread 672
insurance principle 121–2
integrated GARCH (IGARCH) 656
interest rate parity
covered (CIP) 560–61
real interest rate 562–63
uncovered (UIP) 561
interest (risk free) rate
(puzzle—see also Equity Premium Puzzle) 114, 255, 323, 331–2, 480
internal rate of return (IRR) 9, 11, 33
international CAPM 346
international diversification 152–6
international Fisher hypothesis (see Fisher hypothesis)
International Monetary Fund (IMF) 550
intertemporal asset allocation
multiperiod model 362–7
preferences and budget constraint 363
recursions unlimited 365–7
value function 363–5
SDF model of expected returns 368
two-period model 356–62
C-CAPM/SDF model of equilibrium returns 361–2
optimal asset shares 358–9
optimal consumption: power utility 358
solution: logarithmic utility 360
solution: power utility 359–60
intertemporal CAPM 658
intertemporal consumption 27, 624
intertemporal model 416, 475
intertemporal utility 25–7
intrinsic bubbles 404–8
inverse gamma distribution (IG) 396
investment analysts 56–7
investment opportunity set 358
investment styles 440–1
irrational managers 448–9
iterated expectations 61, 246
January effect 434
Jarque-Bera test 236
Jensen inequality terms (JIT) 577–8
Jensen’s alpha 111, 112, 162, 170, 175–6, 187, 190, 209, 210, 218, 222, 231, 436
Jensen’s inequality 35–6, 50, 320
Johansen procedure 39, 516, 556, 621
joint lognormality 318–20, 341
Kalman filter 50
Kuhn-Tucker conditions 148, 149
labour income 376–7
Lagrange multiplier (LM) test 585
Law of one price LOOP (see also purchasing power parity) 7, 552–9
law of small numbers 428
learning 161–3
learning costs 427
learning model 409–20
leveraged buyouts 58
levered portfolio 126
likelihood ratio tests 105, 190, 507–9
limits to arbitrage hypothesis 104
liquidity preference hypothesis (LPH) 495–7
local currency return 6
local expectations hypothesis 501
lognormal consumption growth 307–8, 320–1
lognormality 35–6, 320–1
long-horizon returns 84, 91
long-horizon risk 91
long-rate equation 501
Long-Term Capital Management 58
loser portfolio 435–6
loss aversion (LA) 383, 392, 393, 424, 430, 475
LSTAR model 105
Mankiw–Miron hypothesis 534
marginal rate of substitution (MRS) 131, 206
marginal utility 18
market microstructure 672–4
market model 206, 207, 652
market portfolio 115, 129, 130, 137, 167–8, 668, 669
market psychology 398
market risk 78, 122, 182
market segmentation hypothesis 497
market timing 171, 389–90
Markov process 50, 463
Markov switching models 106–9
in a VECM (MS-VECM) 107–9
martingale 59–65
maximum likelihood 201
mean absolute error (MAE) 108
mean reversion 88–90, 92, 114, 435, 466
mean square error 620
mean-variance analysis/optimisation 20–1, 155–63, 162
mean-variance criteria (MVC) 119
mean-variance model 119–32, 452
memory biases 429
mental accounting 430
mergers and acquisitions (M&A) 206
Merton-Henriksson model 225, 235
minimum funding requirement (MFR) 156
minimum variance portfolio 124, 146
model risk 426
Modigliani-Miller theorem 59
momentum effect 218
momentum stocks 198
momentum strategy 84, 440, 443–6, 468–70
monetary models 607–17
money market line 29
Monte Carlo simulation (MCS) 39, 40–7, 51, 94, 159, 413, 533, 536, 558, 618, 628, 632, 635, 640, 641–5, 646, 648–50
multiple-asset portfolio 642–3
single-asset portfolio 642
standard deviations 44
under non-linearity 105
variance bounds 262–4, 265, 266–7
multivariate tests 95–100
Muth-RE 61
mutual fund performance 209–27
fund characteristics and performance 220–1
hedge funds 226–7
investment flows and performance 221–4
market timing 225–6
mutual fund managers, SAT scores of 224–5
UK studies 212–16
US studies 216–18
mutual fund ‘stars’ 227–43
UK studies 232–43
US studies 229–32
myopic behaviour 365, 367, 382, 383, 390
myopic portfolio choice 376

new open-economy models (NOEM) 624–5
Newey-West 231, 236
news watchers 468–70
noise trader behaviour, optimising model of 454–60
noise trader risk
finite horizon and 425–6
serial correlation and 661–3
noise traders 83–5, 423
DeLong et al model of 485–6
destabilising rational traders 458–60
group behaviour 432–3
survival of 430–3, 456–7
nominal return 5–6
to foreign investment 6–7
noninformative prior 48
non-linear function 21
non-linear models 103–6
non-parametric measures 638–41
non-state separable utility function 338
Non-stationarity (see stationarity)
normal distribution 343

open-economy models 624
optimal proportions of risky assets 116, 117
optimal weights 155
order flow 674
ordinary annuity 8
ordinary least squares (OLS) regression 37, 41–5, 103, 180, 199, 201, 276, 412, 417, 418, 522, 533–4, 618–19
Ornstein-Uhlenbeck process 391
orthogonality 54, 61, 67–8
orthogonality test 266, 270, 271
overconfidence 462
over-reaction hypothesis 501, 510, 532
overshooting, Dornbusch 610–13

panel data 556
parameter uncertainty 387–8, 389–90, 393–6
parametric approach 645
pensions 380–1
perceived risk 447
perfect foresight
long rate 503, 504
price 290–1
performance measures 169–76
see also Jensen index; Sharpe index; Treynor index
performance-portfolios 212, 213, 218
periodic interest rate 2
periodically collapsing bubbles 403
Peso problems 267–8, 337, 412, 537, 586–8
plain vanilla coupon paying bonds 490
Poisson distribution 47
portfolio balance model of exchange rates (PBM) 608, 615–16
Portfolio diversification 58, 73, 116, 118–20, 122, 136, 141–63, 180, 181, 184, 251, 442, 652
portfolio risk 118, 120, 125
positive feedback theory 224
post-earnings announcement drift 208
posterior distribution 48, 49, 395, 396
Poterba–Summers variance-ratio statistic 94, 95
power utility 23–4, 307–8, 320–1
precautionary saving 348
predictability 73–114, 137–8
predictive density 161–2
predictive distribution 394, 395, 414
preferred habitat hypothesis 497–8
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Present value (PV) (see discounted present value)</td>
<td>718</td>
</tr>
<tr>
<td>Price competitiveness</td>
<td>490</td>
</tr>
<tr>
<td>price-dividend ratio</td>
<td>466</td>
</tr>
<tr>
<td>price-dividend-price ratio</td>
<td>564</td>
</tr>
<tr>
<td>price-earnings ratio</td>
<td>466</td>
</tr>
<tr>
<td>price expectations augmented Phillips curve (PEAPC)</td>
<td>564</td>
</tr>
<tr>
<td>price misperception</td>
<td>454</td>
</tr>
<tr>
<td>pricing to market (PTM) hypothesis</td>
<td>476</td>
</tr>
<tr>
<td>prior losses</td>
<td>476</td>
</tr>
<tr>
<td>prospect theory</td>
<td>475</td>
</tr>
<tr>
<td>purchasing power parity (PPP)</td>
<td>7</td>
</tr>
<tr>
<td>purchasing power parity (PPP) evidence on</td>
<td>554</td>
</tr>
<tr>
<td>purchasing power parity (PPP) relative</td>
<td>553</td>
</tr>
<tr>
<td>purchasing power parity (PPP) absolute</td>
<td>555</td>
</tr>
<tr>
<td>purchasing power parity (PPP) evidence on absolute</td>
<td>554</td>
</tr>
<tr>
<td>purchasing power parity (PPP) unit roots and non-linearities</td>
<td>557</td>
</tr>
<tr>
<td>purchasing power parity (PPP) wage-price spiral</td>
<td>564</td>
</tr>
<tr>
<td>pure discount bonds</td>
<td>10–11</td>
</tr>
<tr>
<td>pure expectations hypothesis (PEH)</td>
<td>494</td>
</tr>
<tr>
<td>Rabin paradox</td>
<td>329</td>
</tr>
<tr>
<td>Ramsey reset test</td>
<td>105</td>
</tr>
<tr>
<td>random walk model</td>
<td>36–8</td>
</tr>
<tr>
<td>range estimator</td>
<td>655</td>
</tr>
<tr>
<td>rate of time preference</td>
<td>27</td>
</tr>
<tr>
<td>rational behaviour</td>
<td>440</td>
</tr>
<tr>
<td>rational bubbles</td>
<td>397</td>
</tr>
<tr>
<td>rational expectations (RE)</td>
<td>54</td>
</tr>
<tr>
<td>rational valuation formula (RVF)</td>
<td>102</td>
</tr>
<tr>
<td>real assets, returns on</td>
<td>1–7</td>
</tr>
<tr>
<td>real exchange rate</td>
<td>554</td>
</tr>
<tr>
<td>Real interest rate</td>
<td>554</td>
</tr>
<tr>
<td>real interest rate monetary model (RIMM) (Frankel)</td>
<td>607</td>
</tr>
<tr>
<td>real interest rate parity</td>
<td>562</td>
</tr>
<tr>
<td>real return</td>
<td>5–6</td>
</tr>
<tr>
<td>redemption yield</td>
<td>493</td>
</tr>
<tr>
<td>Regime switching</td>
<td>106</td>
</tr>
<tr>
<td>Regime switching</td>
<td>418</td>
</tr>
<tr>
<td>Regime switching</td>
<td>21</td>
</tr>
<tr>
<td>regressvie model</td>
<td>676</td>
</tr>
<tr>
<td>relative risk aversion</td>
<td>17</td>
</tr>
<tr>
<td>relative strength strategy</td>
<td>444</td>
</tr>
<tr>
<td>response surface</td>
<td>40</td>
</tr>
<tr>
<td>retirement income</td>
<td>375</td>
</tr>
<tr>
<td>return regressions</td>
<td>40–5</td>
</tr>
<tr>
<td>reward-to-risk ratio</td>
<td>22</td>
</tr>
<tr>
<td>reward-to-varibility ratio</td>
<td>170</td>
</tr>
<tr>
<td>risk</td>
<td>14–15</td>
</tr>
<tr>
<td>risk aversion</td>
<td>17</td>
</tr>
<tr>
<td>risk-free rate puzzle</td>
<td>385</td>
</tr>
<tr>
<td>risk-funerality hypothesis</td>
<td>179</td>
</tr>
<tr>
<td>risk lover</td>
<td>15</td>
</tr>
<tr>
<td>risk neutrality</td>
<td>15</td>
</tr>
<tr>
<td>risk premium</td>
<td>17</td>
</tr>
<tr>
<td>risk-return frontier</td>
<td>124</td>
</tr>
<tr>
<td>risky arbitrage hypothesis</td>
<td>104</td>
</tr>
<tr>
<td>risky assets</td>
<td>308</td>
</tr>
<tr>
<td>robustness</td>
<td>391</td>
</tr>
<tr>
<td>rolling cross-section regression</td>
<td>193</td>
</tr>
<tr>
<td>Roll’s critique</td>
<td>176</td>
</tr>
<tr>
<td>root T-rule</td>
<td>630</td>
</tr>
<tr>
<td>sample size neglect</td>
<td>428</td>
</tr>
<tr>
<td>SDF-affine model</td>
<td>538</td>
</tr>
<tr>
<td>second units</td>
<td>233</td>
</tr>
<tr>
<td>security market line (SML)</td>
<td>134–5</td>
</tr>
<tr>
<td>self-attribution bias</td>
<td>444</td>
</tr>
<tr>
<td>self-insurance</td>
<td>351</td>
</tr>
<tr>
<td>sensitivity analysis</td>
<td>46</td>
</tr>
<tr>
<td>separation principle</td>
<td>28</td>
</tr>
<tr>
<td>Sharpe ratio</td>
<td>22</td>
</tr>
<tr>
<td>Shiller volatility tests</td>
<td>65</td>
</tr>
<tr>
<td>short horizon</td>
<td>111–13</td>
</tr>
<tr>
<td>short selling</td>
<td>126</td>
</tr>
<tr>
<td>short-termism</td>
<td>380</td>
</tr>
<tr>
<td>shoulder pattern</td>
<td>675</td>
</tr>
<tr>
<td>Siegel’s paradox</td>
<td>36</td>
</tr>
<tr>
<td>sieve bootstrap</td>
<td>46</td>
</tr>
<tr>
<td>sign test</td>
<td>209</td>
</tr>
<tr>
<td>simple interest rate</td>
<td>1–3</td>
</tr>
<tr>
<td>single factor affine models</td>
<td>541</td>
</tr>
<tr>
<td>Vasicek model</td>
<td>54</td>
</tr>
<tr>
<td>single index model (SIM)</td>
<td>179</td>
</tr>
<tr>
<td>size effect</td>
<td>197</td>
</tr>
<tr>
<td>smart money</td>
<td>83–5</td>
</tr>
<tr>
<td>smooth transition autoregressive (STAR) model</td>
<td>103</td>
</tr>
<tr>
<td>social security</td>
<td>380–1</td>
</tr>
<tr>
<td>specific (idiosyncratic) risk</td>
<td>122</td>
</tr>
<tr>
<td>spirit of capitalism model</td>
<td>338</td>
</tr>
<tr>
<td>spline model</td>
<td>104</td>
</tr>
<tr>
<td>spot rates of interest</td>
<td>9</td>
</tr>
</tbody>
</table>
spot yields (spot rates) 10–11, 491–2, 502
stationarity 261–7
sticky-price monetary models (SPMM) 607, 608, 610–13
extensions of 336–46
international CAPM 345–6
model of FX returns 595–6
of term structure 545–6
stochastic dominance 155
stochastic income 375–81
stochastic parameters 390–1
stocks discounted present value 10
returns on 1–7
stress testing 627, 628, 644–6
Student’s t-distribution 37, 41, 343
style investing 470–5, 484
subjective expectations 61
survey data and expectations 674–9
switching strategy 110–12
symmetric triangle pattern 675
systematic (non-diversifiable; portfolio; market) risk 58, 134–8, 180, 182

takeovers 58–60
tangent portfolio 170
target threshold model (TAR) 517
T-bills 99, 522–3
technical trading rules 679–81
term premium see risk premium
term structure 515–36, 577
data and cointegration 516–18
of forward premia 584
single-equation tests 520–3
Theil U statistic 620
theoretical spread 505, 621
threshold (asymmetric) model 103
time-series model (TSM) 542
time-varying expected returns 249–54
time-varying term premium (TVP) 502, 533
Tobin’s mean-variance model 20
Total Expense Ratios (TERs) 234
tracker fund 80
tracking error 222
transactions costs 446–7
transformation line 126–8
transversality condition 247
Treasury bill 95, 101, 115, 210, 234, 293, 491, 494, 497, 504, 517, 522
Treynor index 111, 154, 170, 174–5, 187
Treynor-Mazuy model 225, 235
twin shares 436–7
two-fund theorem 143, 178
uncertainty 14–17, 386–90, 393
uncertainty aversion 391
unconditional-CAPM 316
uncovered interest parity (UIP) 561, 572–4, 583–4, 585, 607
underpricing 462
underreaction 208
unhedged portfolio 153
unit root 36–8
univariate tests 85–95
unsystematic (idiosyncratic or specific) risk 122, 180, 182
utility 13–19, 33–4
value at risk (VaR) 87, 91, 92, 109, 206, 620–2, 627–35, 639, 648–50, 665
Bootstrap 640
forecasting 630–1
foreign equities 636–7
Historic simulation 638–41, 645, 646
measurement 628–35
Monte Carlo Simulation 159, 628, 632, 635, 641–45
portfolio of assets 628–30
Variance-Covariance method 627, 629, 630, 638–40
value function 356, 362, 363–5
value-growth strategy 84, 440, 441
value stocks 440, 442
variance bounds tests 267–8, 270–1, 272, 518–20
variance-covariance (VCV) approach 627, 629, 640, 646, 665
variance decomposition 297–9, 299–300
variance of portfolio 120
variance ratio 88–9, 518, 533
VECH-GARCH model 67
VECH notation 666
Vector Autoregressive (VAR) model 92, 109, 275–302, 382–3, 526–8, 536
vector error correction model (VECM) 39, 516–7, 537, 619
companion form 509
empirical results 280–91
linearisation of returns and RVF 274–80
perfect foresight price and multi-period returns 290–1
persistence and 291–5
RVF and predictability of returns 281–7
Shiller volatility tests and multi-period returns 288–90
testing FRU 581–6
volatility and 291–5
volatility 58, 75–8, 82, 87–90, 248–9, 265, 287, 291–5, 654–6
and regression tests 268–9
in spot-FX markets 671
influences on 656–65
of spot rate and fundamentals 622–3
returns and 657–9
volatility contagion 671
volatility puzzle 114, 255
volatility tests 84, 261–7
Shiller volatility tests 65, 257–61, 288–90
first-generation volatility tests 258–60
statistical issues 260–1
VR-statistic 88

Wald test 105, 190, 277, 282, 283, 289, 507–9, 511, 532, 536, 585
weak form information 64
wealth portfolio 310
weekend effect 56, 85
weighted average cost of capital (WACC) 194
West inequality test 271–2
White noise 38, 39, 54, 55, 85, 248, 249, 252, 262, 409, 442, 453, 534, 599, 612, 658
winner’s curse 435–6

worst case scenario (WCS) 628, 646

yield (see interest rate)
yield curve 499–500
yield spread 99
yield to maturity (redemption yield) 493–4

zero-beta CAPM 177–8, 185–7, 190–1
zero coupon bond 10, 12, 13, 491, 492, 522–3, 637–8
zero-investment portfolio 1–3, 17

Index compiled by Annette Musker