

# Index

- Advanced economies, 1–3, 7, 17, 19, 22, 24, 26, 65, 67
- African economies, 49
- Algebraic Derivation, 97, 99
- Applied Hedging Strategy, 74–77
  - GARCH approach, 74
- Applied Interest Rate Swap, 94
- Asian financial crisis of 1997, 48
- Asset finance, 20
- Asset maturities, 59
- Assets, 13, 18–21
  - crypto, 20–21
  - financial, 18
  - higher-yielding, 23
- Audit trail, 32
  
- Banca d'Italia, 16, 23
- Bank of England, The, 7, 12, 16, 18–19, 30–31, 40, 60
- Banking sector, 2–3, 13, 17–19, 23, 58–60, 62, 65, 67
- Banks, 6, 8, 16, 18, 24, 28–30, 52–53, 57, 90
  - commercial, 28–29, 52–53, 57
  - investment, 29, 90
- Bernanke, B., 18
- Bitcoin, 21
- Bloomberg New Energy Finance, 20
- Borderless payments zone, 34
- Broad money, 2, 62, 67–68
  
- Call option, 83–87
- Capacity, 25
  - loan repayment, 2
  - loss-absorbing, 19
- Capital, 2–3
  - human, 23
  - large, 19
  - venture, 20
- Capital account surpluses, 49
- Capital Adequacy Ratio, 58
- Capital flows, 12, 22, 48, 63, 68, 95, 105, 111–112
- Capital Reserves, 47–48, 57–60
- Central Bank Balance Sheet and Money Supply, 52
- Central bankers, 1, 8, 14, 31
- Classical economists, 104
- Clearing and settlement systems, 28, 38
- Closed Economy, 95–97
- CLS system, 34
- Collaterals, 9, 27
  - eligible, 40, 42
  - foreign, 44
- Collaterals arrangements, 27
- Commodity Futures Trading Commission, 77
- Comparative assessments, 1
- Continuous Linked Settlement (CLS), 32
- Conventional assets, 20
- Conventional Risk Assessment Matrix, 4
- Corporate credit risk, 47
- Corporate sector, 2–3, 17, 24, 47
- Country-specific features, 1
- Covered call merges, 89
- Covered call position, 89
- Coveted metric of analysis, 17, 57
- Credit portfolio, 30

- Credit risk, 34, 39, 43, 45, 47, 70, 83
- Crime prevention, 27
  - See also* Money laundering
- Cross-border issues, 44
- Cross-border payments, 34
- Crowding-out effect, 102–105
- Cryptocurrencies, 28, 30–31
- Currency risk, 43, 57, 69–70, 73–74, 81, 83, 92
- Currency Swaps, 91–92, 94
- Currencies, 6, 12
  - digital, 43
  - foreign, 42–43
  - issued, 6
  - local, 33, 49
- Custodians, 29
- Cyberattack risks, 31, 43
- Cybercrime, 41, 43
- Cyberespionage, 43
- Cyberhacktivist, 43
  
- Danmarks Nationalbank, The, 27, 34–36, 43, 45
- Data breach attack, 44
- Debt markets, 13, 29
- Deferred Net Settlement*, 37
  - See also* Large-value payment systems
- Deflationary gap, 105, 107, 111
- Derivation of IS Curve, 95, 98
- Derivatives market, 28, 81
- Derivatives, 2–3, 18, 28, 69–70, 72–74, 77, 81, 89, 94
- Dhar, S., 68
- Direct taxes, 24
- Distributed Denial-of-Service (DDoS), 44
- Domestic fiscal position, 13
- Domestic level, 2
  
- Econometric models, 14
- Economic transactions, 104
  
- Effective payment mechanism, 28
  - See also* Payment instruments
- Electronic-based means of payments, 32
- Emerging market economies, 2–3, 22, 48, 67
- Empirical evidence, 73
- Euro Area Financial Stability, 24
- European Central Bank (ECB), 24, 37
- European Economic Area (EEA), 18
- European System of Central Banks, 28
- European Systemic Risk Board, The, 16
- Exchange rate, 11, 55, 67, 81–82, 106–108, 112
  - current, 81–82
  - desired, 107
  - fixed, 106, 108, 112
  - flexible, 108
  - floating, 112
  - foreign, 55
  - future, 67
  - real, 11
  
- Fazzari, S. M., 71
- Feasible default risk, 91
- Federal Funds rate, 30
- Fedwire funds service, 37
- Fedwire securities services, 38
- Finality of settlements, 32
- Financial Architecture, 39, 42
- Financial crisis, 1, 16, 48
- Financial instruments, 3, 27, 39, 50, 69, 94
- Financial instruments-derivatives, 3
- Financial intermediation, 2, 47
- Financial markets and infrastructures, 29

- central securities depositories, 29
- custodians, 29
- Payment Settlement Systems, 29
- securities settlement systems, 29
- Financial markets, 23, 27, 36, 39, 41, 65
- Financial sector linkages, 7
- Financial sector risks, 7
- Financial Services Authority, 77
- Financial Stability Board, 43
- Financial stability reports, 1, 4, 14, 27, 47
- Financial stability reviews, 1
  - See also* Central bankers;
  - Policy-makers
- Financial stability risks, 2, 23, 42, 44, 47
- Financial stability, 1–2, 4, 14, 16, 17–20, 23, 27, 28, 33, 38–39, 60, 65
- Financial system, 1, 6, 13, 28–29, 33, 38–39, 43–45, 48, 50, 60, 68
  - financial architecture, 39
  - financial institutions, 39
  - financial instruments, 39
  - financial markets, 39
  - regulators and rules and laws governing, 39
- Fintech, 3, 16
- Fiscal policy, 9, 17, 24, 95, 102–111
- Fiscal stabilisers, 5, 7
- Fiscal Sustainability Risk Indicators, 25
- Fixed Exchange Rate Regime, 49, 51–56, 59, 64, 105–108
- Fixed Exchange Rate System, 49
- Floating Exchange rate regime, 48–49, 62, 65, 108–112
- Floating Exchange rate system, 48–49, 112
- Foreign asset and liability, 10
- Foreign asset-based reserves, 57
- Foreign assets, 49, 52–53, 55, 67, 106–107, 114
- Foreign capital inflows, 63, 67
- Foreign currency price, 51
- Foreign currency settlement system, 33
- Foreign direct investments, 22, 67
- Foreign exchange reserves, 48, 57, 61–64
- Foreign exchange transactions, 32, 34, 38
  - See also* CLS system
- Foreign investors, 22
- Foresight Africa, 23
- Froot, K.A., 71
- Gai, P., 60
- GARCH hedge ratio, 74
- GDP deflator, 25
- GDP growth rate, 25
- GDP growth, 7, 14, 17, 23, 25
- Geometric derivation, 95, 98
- Geopolitical Risk Index, 22
- Geopolitical tensions, 2–3, 20–21
- Global developments, 2, 17–26
- Global economic growth, 21
- Global economy, 16, 17, 21, 56
- Global financial crisis, 1, 11, 16, 17, 23, 27, 33, 42, 47, 61–62, 64–65, 67–68, 107
- Global financial markets, 7, 13, 23
- Global geopolitical events, 13
- Global nature, 1
- Globalisation of banks, 44
- Government sector, 2–3, 16, 17, 58, 98–99
- Gross system, 35–37, 42

- Hedging, 70–74, 77, 81, 91
  - cross-hedging, 74
  - direct hedging, 73–74
  - natural hedging, 73–74
- High systemic risk, 36
- High-powered money, 113–114
- Historical data, 14
- Holding Liquidity Reserves, 60
- Household leverage, 8
- Household sector, 2–3, 17
- Hubbard, G. R., 71
- Hull, J., 69–70
  
- IMF Global Financial Stability Reports, 14
- IMF. *See* International Monetary Fund
- Indian banks data breach, 44
- Inflation data, 2
- Innovative framework, 8
- Intelligent networks, 17
- Interbank banking, 35
- Interbank market rates, 30, 60
- Interest elasticity of investment, 98, 104
- Interest rate risk management, 94
- Interest Rate Swaps, 90–94
- Interest rates, 2–3, 18–20, 24
  - foreign, 52, 54–55
  - high, 59
  - higher, 25, 55, 59, 64, 111
  - interbank, 30, 33
  - key, 30, 33
  - local, 52, 54–56
  - long-term, 13, 20
  - low, 2, 18–20
  - lower, 55, 111
  - zero, 98
- Interest-sensitive investment, 103, 105
- International exchanges, 77–78
- International Monetary Fund (IMF), 5–6, 8–9, 12–22
- International transactions, 37, 63
- Investment banks, 29, 90
- IS curve, 95–99, 101–107, 109–112
- IS-LM Curves, 103
- IS-LM Framework, 95, 102
  
- Kapadia, S., 60
- Key economies, 2, 17
- Key interest rates, 30, 33
- KPMG, 16, 23
- Krugman, P., 56, 61, 67
  
- Labour market conditions, 2
- Labour market flexibility, 26
- Labour-enforced programmes, 26
- Large-value payment systems, 30–31, 35–36
- Least developed countries (LDGs), 23
- Ledrut, 33, 38
- Legal risk, 43
- Level of consumer sentiment, 2
- Level of disposable income, 2
- Level of external confidence, 2
- Leverage effects, 76–77
- Leveraged financial instruments, 94
- Leveraging artificial intelligence, 17
- Limit systemic risk, 36
- Liquidity balances, 101
- Liquidity Coverage Ratio, 47, 57–60
- Liquidity management, 29, 42
- Liquidity preference, 101–102
- Liquidity reserves, 45, 47, 56, 58–60
- Liquidity risk, 18, 23, 42, 50, 59, 65–66

- Liquidity state, 40, 42–43, 59
- Liquidity-induced systemic risk, 60
- LM curve, 101–107, 111
- Loan repayment capacity, 2
- Local and international
  - developments, 1
- Local asset-based reserves, 57
- Local currency large-value
  - payment system, 33
- Low inflation, 17, 25
  
- Macroeconomic policies, 7
- Margin call, 79, 81
- Marked-to-market prices, 70, 81
- Markets, 6–7, 12–13, 18, 20,
  - 22–24, 26–28
  - debt markets, 29
  - derivatives markets, 28, 29
  - FX markets, 29
  - stock markets, 29
- Mauritian economy, 17
- Mergers and acquisitions, 19–20
- Merging Case, 89–90
- Mobile internet adoption, 17
- Monetary Policies, 23, 104
- Monetary policy implementation,
  - 29
- Monetary policy transmission
  - mechanism, 33
- Monetary terms, 9
- Money laundering, 27
- Money multiplier, 53, 113
- Money Supply, 52–55, 64,
  - 101–102, 104–107,
  - 113–114
- Mundell-Fleming Exchange Rate
  - Model, 95
- Mutual funds, 29
- Modigliani, F., 70
- Miller, M., 70
- Macro-prudential policies, 6, 9, 12
- Macroeconomic variables, 2–3
  
- Monetary policy, 7–8, 17–18, 20,
  - 22–24, 29–31, 33, 50,
  - 59–60, 95, 102–104,
  - 107–109, 111–112*See also* Federal Funds rate
  
- National currency, 60, 68
- Net Stable Funding Ratio, 47,
  - 57–60
- Net system, 36–37, 42
- Non-Bank Financial Institutions,
  - 18, 29
  - asset managers, 29
  - finance and loan companies,
    - 29
  - insurance companies, 29
  - mutual funds, 29
- Non-banking sector, 2–3, 28, 33
- Non-renewable energy, 20
  
- Obstfeld, M., 67–68
- Open economy, 98–99
- Operational risk, 27, 28, 40–41,
  - 43–45
- Operational strategies, 73, 92
- Option premium, 85
- OTC market, 91
- Other financial services, 29
  - credit card companies, 29
  - investment funds, 29
  - payment service providers, 29
  
- Paper-based payment instruments,
  - 32
- Payment and settlements
  - system/mobile economy, 3
- Payment channels, 28
  - ATM or SWIFT, 28
- Payment instruments, 28, 38
  - cheques, credit cards, debit
    - cards and mobile banking,
  - 28

- Perfect Capital Mobility, 105, 107–109, 112
- Petersen, B. C., 71
- Policy Goals and Expenditure-Switching Policies, 110
- Political economy, 2, 63, 68
- Price determination, 78
- Protective Put, 87–90
- Protracted period of low productivity, 7
- PSS functions, 41
- PSS infrastructure, 31
- PSS services, 32–33
- Public investments, 25
- Purchasing Managers' Index (PMI), The, 23
- Put Option, 86–88
- Policy-makers, 1, 8, 14, 107
  - See also* Global financial crisis
- Payment and Settlement System, 2, 27–29, 31, 33, 38–45
- Queuing, 35, 41
- RAM. *See* Risk Assessment Matrix
- Real money balances, 101–102
- Real national income, 54–55, 95–98, 101–106, 108–112
- Real-time basis, 32
- 'Red Book', 38
- Reddy, 49, 64
- Renewable energy, 20
- Reserves, 47–68
- Retail payments, 28, 32, 34
- Retail payment system, 33, 35
- Risk and Probability, 13–14
- Risk-weighted assets, 58
- Real economy, 1, 18, 63
- Risk Assessment Matrix (RAM), 4–8, 9, 13
- Real estate sector, 2–3, 16
- Ramlall, I., 17, 23, 49–50, 52, 73
- Rules and regulations, 17, 27, 42, 44
- Scharfstein, D.S., 71
- Secondary market, 78
- Securities clearing and settlement system, 34
- Securities Settlement Systems, 29, 31, 35, 38, 45
- Shadow-banking activities, 14
- Short-term debt, 25, 61–62, 67–68
- Short-term liabilities, 59
- Smartcards, 35
- Smith, C.W., 71–72
- Standard & Poor's, 21, 23
- Standard deviation, 23
- Standardised approach, 1
- Standardised reporting approach, 1
- Stein, J.C., 71
- Stock index futures contracts, 79
- Stock markets, 29
- Stress index indicators, 2
- Structural reforms, 7, 9, 12
- Stulz, R.M., 71–72
- Swap agreement, 94
- System inquiries, 32
- Systemic risk, 36–37, 40–42, 45, 60
- Terrorist risk, 44
- Time-varying variance, 76
- Total money stock, 113–114
- Trading partners, 2, 47
- Trading price limits, 78
- Transaction validation, 32
- Transfer of funds, 27
- Unconditional Covariance Matrix, 21

- Unemployment rate, 3
- United Nations Environment Programme, The, 20
- United Nations, The, 17, 20–21, 23
- Value-at-risk, 23
- Variance model, 76
- Visual assessments, 4
- Visual mapping of risks, 4
- Wholesale payments and securities settlements, 28, 32
- Williams, 63
- World Currency Composition of Official Foreign Exchange Reserves, 57
- World Economic Outlooks, 14
- Zero, 21, 71, 76, 85–88, 98, 102
  - crowding-out effect, 102
  - effect, 102
  - interest rates, 98
  - tax rate, 71