

INDEX

Note: Page numbers followed by “*n*” with numbers indicate notes.

- ABC model, 134
- Academic(s), 251
 - dishonesty, 2
 - fraud, 2
 - fraud risk factors, 5
- Accident fraud, 93
- Accounting (*See also* Forensic accounting), 205
 - analysis, 242
 - Big Data analyses effects on, 19–20
 - education, 29
 - finance analysis systems, 205
 - manipulation practices, 45
 - poor quality accounting information, 132
 - scandals, 174
- Adoption, 313–316
 - performance, 317–318
 - synergy, 316–317
 - transparency and visibility, 319
- Age, 117–118
 - distribution of respondents, 120
- Aggressive accounting, 46
- American College of Forensic Examiners International (ACFEI), 204, 211–212, 215
- American Institute of Certified Public Accountants (AICPA), 211, 213
- Analytical Hierarchy Process (AHP), 191, 193–195
 - for independent audit firm change, 199
 - model for independent audit firm selection, 196
- Association of Certified Fraud Examiners/Examination (ACFE), 16, 206, 211–213, 246
- Association of International Certified Professional Accountants (AICPA), 134
- Audit quality, 148, 192–193
 - big auditing firm correlation with, 140–141
- Auditing, 204, 288
 - Big Data analyses effects on, 19–20
 - conventional principle of, 204
 - firm correlation with audit quality, 140–141
- Auditor, change in, 142
- Bank of Credit and Commerce International scandal, 101
- Bank(s), 309–316
 - fraud, 266
 - reputation, 317–318
- Behavioral theories of financial crime, 269
- Behavioural finance, 112–114
 - data analysis process, 119
 - demographics, 119–120
 - determinants of risk appetite and tolerance, 121
 - education, age, experience and marital status, 117–118
 - heuristics, 115–117
 - risk and gender, 114–115
 - risk appetite, 121–122
 - risk tolerance, 123–124

- sample and data collection process, 118–119
- Beneish model, 46, 178
 - classification table for logistic regression analysis, 185
 - data set and model, 179–180
 - general test of the model's coefficients, 185
 - logistic regression analysis results, 186
 - results of study, 180, 185–186
 - sample practice with, 178–186
 - valuation of financial information manipulation, 181–185
 - variables in, 179
- Benford's Law, 16–17, 158
 - chi square value calculation, 160, 162–164
 - rule-based expert systems with, 159–165
- Big Data, 17
 - analyses and use in forensic accounting area, 18
 - analyses effect on forensic accounting area, 20–22
 - analyses effects on areas of accounting and auditing, 19–20
 - notion and analyses, 18–19
 - techniques, 12
- BIST BANK index, 51–53
- BORSA ISTAN BUL, 137
- Borsa İstanbul, 144
- Bounded rationality, 105, 108
- Bribery, 266, 271
- Canada, forensic accounting in, 215–216
- Canadian Coalition Against Insurance Fraud (1994), 78
- Canadian Institute of Chartered Accountants (CICA), 215–216
- Classification and Regression Trees (CRT), 4
 - algorithms, 6
- Co-operative identity (*see also* Maltese co-operatives), 279, 292–296
 - cultural influences, 280
 - economic *vs.* social aspects, 279–280
 - enforceability *vs.* adherence of principles, 280
 - implementation of co-operative principles, 279
 - importance of basic and ethical values, 279
 - preserving, 280–281
- Co-operative Societies Act (CSA), 274, 281
- Coalition Against Insurance Fraud (CAIF), 78, 82
- Code of ethics, 100, 107
- Committee of Management (CoM), 274, 282–283
- Committee of Sponsoring Organizations (COSO), 305, 315
- Corporate
 - crimes, 101
 - culture, 17
 - governance, 82, 106–107, 133
 - management, 42
- Corporate frauds, 100–102, 266
 - corporate governance, 106–107
 - deterrence, 106–107
 - fraud triangle, 103–104
 - true cost of, 102–103
- Corporate social responsibility (CSR), 42, 275–276
- Criminals, 266
 - investigation, 248
- Criminology, 213
- Cyber financial crime, 266
- Data
 - base organization, 83
 - collection process, 118–119
 - management, 18
 - mining, 16–18, 82–83, 87
 - saturation, 308
 - set and method of research, 144–145
 - triangulation, 309

- Data analysis, 18
 - process, 119
 - skills, 251
- Deterrence
 - corporate fraud, 106–107
 - cost, 100
- Digital forensic
 - experts, 249
 - science, 22
- Economic
 - crisis, 28
 - damage calculation, 248
 - models, 2
 - theory, 270
- Education, 117–118
 - background of respondents, 120
- Enron Corporation scandal, 101–102, 246, 270
- Errors, 156, 174–175
 - error-preventing systems, 45
- Expert, 250
 - systems, 157–158
 - testimony, 60
 - witness, 15
- External auditors, 148, 312, 319
- External pressure, 139
 - factor, 147
- Fault rectification/false reports of theft, 93
- Financial crimes, 43–44, 78, 87, 266–271
- Financial crisis (2008), 42, 112
- Financial information manipulation, 42–43
 - in covering up of financial crimes, 43–44
 - domestic literature, 46–47
 - effect on investment demands, 51–53
 - findings, 48
 - findings relevant to content analysis, 48–51
 - foreign literature, 44–46
 - literature review, 44
 - research methodology, 47–48
- Financial stability, 137–139
- Financial statement, 46, 174
 - frauds, 176–178
- Forensic accountants (FA), 14–15, 204–205, 247
 - analysis, 210
 - in Canada, 215–216
 - characteristics of, 208–209
 - in determination of fraudulent transaction, 16–17
 - determining dispute, 209
 - in fraudulent transaction determination, 16–17
 - honesty and objectivity, 207
 - independence, 207
 - mean, standard deviation and percentage for skills of, 253
 - meeting with client, 209
 - obtaining accurate evidences, 210
 - preliminary (initial) research, 210
 - preparing action plan, 210
 - preparing report, 210
 - principles of, 207–208
 - professional ethics, 208
 - professional skepticism, 208
 - SEC and, 211
 - services providing by, 247–249
 - skills, 249–250
 - steps in work of, 209–210
 - in United States of America, 211–215
- Forensic accounting, 12–13, 28, 156–157, 206, 220, 246–247
 - articles reviewed in framework of research, 221–230
 - in Australia, 23
 - big data analyses and use in, 18–23
 - books reviewed in framework of research, 240
 - in Canada, 215–216
 - conceptual framework, 240–242
 - development, 14, 210
 - fields of forensic accounting profession activity, 14–17
 - findings, 242
 - literature review, 12–13
 - methodology, 220, 240

- notion, 13
- rule-based expert systems
 - applications within, 158–159
- theses reviewed in framework of
 - research, 231–239
 - in United States of America, 211–215
- Forensic accounting education, 22–23, 204–205
 - data and methodology, 31–32
 - demographic information, 33
 - empirical findings, 33, 40
 - expectations from forensic
 - accounting service, 34–35
 - literature review, 29–31
 - perceived benefits from forensic
 - accounting education, 36
 - practices and training related to, 35–36
 - profession, 28–29
 - reliability and normality test
 - results, 33–34
 - teaching method and techniques
 - about, 36–37
- Forensic accounting profession, 28, 204–205
 - factors necessitating, 205–206
- Fraud audit, 15, 62, 220
 - articles reviewed in framework of
 - research, 221–230
 - books reviewed in framework of
 - research, 240
 - conceptual framework, 240–242
 - findings, 242
 - methodology, 220, 240
 - theses reviewed in framework of
 - research, 231–239
- “Fraud Diamond” theory, 132, 134
 - descriptive statistic test result, 146
 - external pressure, 139
 - fraud triangle, 139
 - pressure factor, 139
 - results and discussions, 145–149
- Fraud triangle, 103–104
 - theory, 132, 134
- Fraud triangle factors, 2–3
 - data collection tool, 5
 - findings, 6–7
 - method, 4
 - sample, 5
 - scope and limitation of study, 3
 - survey, 3–4
- Fraud(s), 3, 13, 15, 78–82, 133, 156, 174–175, 266
 - conceptual framework, 240–242
 - detection, 87, 133
 - examiner, 15
 - examining, 15
 - features and cost, 175
 - financial reporting, 134–137
 - insurance in Turkey, 92–93
 - investigation, 60–61
 - myths and facts about, 175–176
 - pentagon, 134
 - prevention, 133–134
 - prevention and detection, 248
 - theories explaining causes, 134
- Fraudulent financial reporting, 48, 133, 147, 177–178
 - detection, 137
- Gender
 - distribution of respondents, 119
 - risk and, 114–115
- Global Economic Crime and Fraud Survey* (2018), 100–101
- Global Risk Committee (GRC), 310, 314–315
- Hasselback Faculty of Accounting
 - Index, 22
- Heuristics, 115–117
- “Homo economicus” phenomenon, 105
- Honesty, 207
- Hypothesis
 - about opportunity element, 140
 - related to capability element, 142–144
 - related to pressure element, 137
 - related to rationalization element, 142

- Independence, 209, 307, 310
loss of, 319–320
- Independent audit, 43, 46–49
organization, 190
service, 191
- Independent audit firm change, 198–200
AHP model for, 199
comparison matrix for, 199
global priorities for, 200
local priorities for, 199
- Independent audit firm selection,
191–193, 196–198
AHP, 193–195
comparison matrix for, 197
global priorities for, 197–198
local priorities for, 197
research findings, 195–196
- Independent Auditing Standard
(IAS), 175
- Inflated claims. *See* Exaggerated
claims
- Information
production process, 42
technologies, 16, 87
- Insider dealing, 270–271
- Insider trading, 266
- Insurance fraud, 78–79, 266
insurance fraud in Turkey, 87–93
insurance industry in Turkey, 83–84
legislation, 84–85
notification of wrongful insurance
practices, 86–87
official agencies and organizations
dealing with, 85–86
social costs of, 80–83
types and counter measures, 78
- Insurance Fraud Bureau (SISEB), 86
- Insurance Fraud Information Sharing
System (SISBİS), 86
- Insurance Information and
Monitoring Center (IIMC),
85, 94*n*4
- Insurance policy, 79, 84–85
- Internal audit (IA), 315, 318–319, 321
effectiveness, 305
profession, 310
- Internal audit function (IAF),
304–305, 310
benefits of, 312
regulator analyses, 311
- Internal Audit Guidance for Financial
Services, 317
- Internal auditor, 305, 307, 319
- Internal control challenges, 309
impact of 2008 global financial and
economic crisis, 309–311
acceptance of concept, 311–313
adoption of concept, 313–315
implementation of concept,
315–316
- Internal Revenue Service (IRS), 14
- İstanbul Stock Exchange Corporate
Management Index (İMKB
Corporate Management
Index), 47
- Judicial accounting, 61
- Judicial advisory, 58–59, 63
findings, 65–69
general opinions of lawyers
regarding profession, 72–73
groups of professions to preferred
in receiving services, 69–70
historical development of
profession, 61
lawyers expectation in receiving
assistance, 71–72
literature review, 62–63
profession, 59–61
profession in Turkey, 61–62
qualifications lawyers seeking in, 71
reliability analysis, 65
research methods, 64–65
services to received by lawyers
from, 70–71
- Koperattivi Malta, 274, 276
- Line of Defence (LoD), 310
adoption benefits, 316–319
conditions for successful
implementation, 320–321

- internal control challenges, 309–316
 - methodology, 307–309
 - propositions, 306–307
 - research questions, 306
 - risks, 319–320
 - significance of study, 307
- Livestock, insurance fraud in, 93
- M-I-C-E, 134
- Machine learning, 18, 83
- Malta Co-operative Federation, 274, 276
- Malta Financial Services Authority (MFSA), 309
 - banking rules, 310
- Malta Forum for Internal Auditors (MFAI), 312
- Maltese banks, internal audit in, 305
- Maltese co-operatives (*see also* Co-operative identity), 274–275
 - analysis, 278
 - applicability of social audit and characteristics, 281–288
 - associations within co-operative movement, 277
 - co-operative identity, 279–281
 - limitations, 278–279
 - methodology, 277–279
 - need for study and objective, 276
 - research tool, 277
 - SA, 275–276
 - sample population, 277–278
- Maltese credit institutions, 307
 - governance structures, 307–308
- Money laundering (ML), 266
 - activities, 267
 - necessity, 268
 - risks of virtual currencies, 269
- Objectivity, 207, 209
 - loss of, 319–320
- Openness, 4–5
- Opportunity, 3
 - element, 140, 144
- Payment
 - fraud, 266
 - transaction processes, 45
- Perceptions of professional accountants, 30–31
- Pressure, 103
 - element, 137, 144–145
- Print theory, 138–139
- Priority vector (PV), 194, 196
- Private-capitalized banks, 50–51
- Profession of judicial advisory in Turkey, 61–62
- Proportionality, 320–321
- Prospect theory, 121–122
- Quick, Unbiased, Efficient Statistical Trees (QUEST), 4
- Rationality, 104, 106
- Rationalization, 3, 104, 148
 - element, 142, 144
- Reliability, 209
 - analysis, 65
 - test results, 33–34
- Research for Fraud Diamond theory
 - data set and method, 144–145
 - framework of models, 138
 - hypothesis and model, 137–144
 - independent variables and measurement, 144
 - purpose, 137
- Return on assets (ROA), 139–140
- Risk appetite, 121–122
 - determinants of, 121
- Risk tolerance, 123–124
 - determinants of, 121
- Risk-taking behaviour, 118
- Risk(s), 319–321
 - assessment, 315
 - and control self-assessments, 314
 - estimate value, 6
 - and gender, 114–115
 - management, 107
 - management function, 310, 314
 - models, 315

- risk determination, rule-based expert systems with, 165–168
 - risk-based concept, 305
- Rule-based expert systems, 157
 - applications, 158–159, 168–169
 - with Benford's Law, 159–165
 - with risk determination, 165–168
- Sarbanes–Oxley (SOX) Act, 14, 28, 211
- Securities and Exchange Commission (SEC), 14, 211
- Securities fraud, 266
- sigortam* 360 website, 87
- Social audit (SA), 275–276, 296–301
 - applicability and characteristics, 281–288
 - applicable to Maltese co-operatives, 282–286
 - co-operatives overcoming barriers to, 282
 - current statutory audits, 281
 - exercise of social auditing, 281
 - FAs and, 287–288
 - indicators on co-operative principles, 284–285
 - marking scheme, 287
 - publication and non-publication, 287
 - regulation, 286–287
 - report, 287
 - reporting, 286
 - tentative SA model, 284
- Social costs of insurance fraud, 80
 - exaggerated claims, 81–83
 - fraudulent claims, 81
- Toshiba Corporation scandal, 102, 135
- Triangulation, 308–309
- Trilogy Theory (FTT), 134
- Turkey, 220
 - behavioural finance in, 113
 - elderly population in, 118
 - fraud insurance in, 92–93
 - insurance fraud in, 87
 - insurance industry in, 83–84
 - investment decisions, 113
 - judicial advisory profession in, 61–62
 - studies and comments on insurance fraud in, 87
 - studies and information attained in Article, 88–91
- Turkish accounting academics, 246
 - demographic characteristics of survey respondents, 253
 - findings of research, 252–257
 - forensic accounting and accountant, 247
 - literature review, 250–251
 - method of research, 252
 - services providing by forensic accountants, 247–249
 - skills of forensic accountant, 249–250
- Turkish Accounting Standards (TMS), 46
- Tyco, 270
- United States of America (USA), 211
 - ACFE, 211–213
 - criminology, 213
 - financial transactions, 213
 - forensic accounting in, 211
 - law, 213
 - scrutinizing and investigating, 213
- US Securities and Exchange Commission (SEC), 28
- Volume, velocity, value, veracity, and variety (5V), 18
- Wall Street Crash (1929), 112
- Wall Street's financial scandals, 270
- White-collar crimes, 143
- WorldCom, 246, 270
- Wrongful insurance, 86
 - practice notification, 86–87