Statistic Application in Scientific and Social Reformation


Editor: ZHU Konglai, Henry ZHANG

- Education
- Human Resources and Demographics
- Information Technology and Knowledge Management
- Consumer Market
- Changing of Labour Intensive Industry
- Progressive Living Standard and Community Management
- Wealth Research and Financial Reformation
- Civil Engineering and Environmental Systems
- Sustainability
CONTENTS

Chapter One: Education
To Analyze Appropriate College Enrollment Scale—Based on the per Capita Cultivation Cost
QIU Weilin, LEI Fang .......................................................... 1
Correlations between Enrollment Scale from Higher Vocational Education and GDP per Capital in China
LU Chunqi, JU Wenjie, ZHU Yulan, SUN Shaorong ........................................... 6
Static Motivation Mining of Disciplinary in Engineering Research University Based on Extenics
ZHONG Yuxuan, FANG Yaomei .......................................................... 11
An Analysis of the Factors in Cultivating Overall Quality in Postgraduate Education in Engineering Colleges—A Case Study of Hebei Polytechnic University
ZHANG Jun, WAN Xinghuo .......................................................... 15
Model for the Pricing Criteria of Higher Education Tuition
DONG Xiaocheng ............................................................................. 20
Research of the Influencing Factors Model of the University Students’ Network Moral Anomie Based on the Theory of Planned Behavior
WANG Kunzhong, LU Xiaohan, LIN Ruihong ........................................... 25
Using Principal Components Analysis Method to University Student Psychological Crisis Source Research
KONG Xiaodong ............................................................................. 34
Principal Component Analysis on the Quality Structure of Primary Excellent Mathematics Teachers
JIE Shuiping, KONG Xiaodong .......................................................... 40
Statistical Empirical Analysis to Factors Affecting Innovative Competence of Graduate Student
YANG Xiaoming, LV Ziru .................................................................. 45
Design and Implement of MIS in University Campus and Administration Sectors
WANG Yusong .............................................................................. 50
The Analysis of Cheating in the Examination
XU Yanming, BI Peng ...................................................................... 55
Empirical Study of the Higher Education and Regional Economies Development in Shandong Province
ZHANG Yanfang ............................................................................ 62
Statistical Assessment on University Students’ Satisfaction
JANG Lingzhi, YANG Xiaoming, ZHANG Xiaoyu ..................................... 67
Empirical Analysis on Higher Education Affecting Regional Economic Development: A Case of Shandong Province
HE Cuiqin ....................................................................................... 72
A Optimization Approach to Establishing Teaching Posts
Chapter Two: Human Resources and Demographics

Finite Population That Have more than Two Types of Individuals

WANG Weigang ................................................................. 80

The Spatial Econometric Analysis of Development Differences of Regional Producer Service Industry—A Case of Jiangsu

ZHAI Chengbo ............................................................... 86

Study on the Influence Factor of Flexible Employment’s Scale in China

LV Hong, WANG Jwingmin, JIN Xizai ................................... 93

The Countermeasure Behavior in Enterprise Manager Human Capital Pricing Strategy Game: An Experimental Study

WANG Keyu ................................................................. 98

Employees’ Absorptive Capacity: As the Result of Individual Behavior and Social Network Interaction

ZOU Bo, YU Bo, BU Linhua ............................................ 103

Analysis on Factors Impacting the Floating of Migrant Workers among Urban Cities—Based on Actual Researches Done on Migrant Workers in Shenyang

YANG Xiaoli, JING Zaiqiang ............................................ 110

Research on Person-organization Fit: A New Management Tool

CHEN Chunhua, LIU Zhen ................................................ 117

Board Characteristics and Earnings Management Empirical Evidence from China’s Listed Companies

LIU Haiying ................................................................. 121

A Study on Quantity Tendency of the Population in Beijing

WANG Shaofeng, CUI Yujie ............................................. 127

Analysis on the Influential Factors of Working Enthusiasm: A Case of the New Teacher of Zhejiang University of Science & Technology

SHENG Haibo, HU Fenghua ............................................. 132

The Method of Measuring the Income Effects of Rural Labor Migration

ZHANG Aiting, LI Ping, DU Xiangxiang ................................ 137

Research on the Prediction of Jiangsu Population Development

MEN Kepei, TANG Shasha, JIANG Liangyu .......................... 142

On the 5p-mode Manpower Resource Management of Library

ZENG Qingxia ............................................................. 147

Analysis on Influencing Factor of Outflows from Unemployment to Employment in China Based on Panel Data

SAO Yirong, LIN Daidai, TONG Zhen ................................. 152

On Human Capital Absorptive Multiplication—System Dynamics Model Simulation and Policy Implications
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analysis and Prediction of the Current Registered Urban Unemployment Rate in China</td>
<td>HUANG Chongli</td>
<td>158</td>
</tr>
<tr>
<td>The Investment Project Risk Analysis Based on PCA-BP Neural Network</td>
<td>YANG Bing, CHEN Shuangting, HAO Jiankun</td>
<td>170</td>
</tr>
<tr>
<td>An Empirical Study of Employers' Job Vacancy Distribution Characteristic and Its Decisive Factors</td>
<td>TANG Kuang, QU Haihui</td>
<td>182</td>
</tr>
<tr>
<td>The Application of Combination Model in Forecasting the Total Number of Health Technical Staffs of Our Country</td>
<td>HAN Chunlei, HU Xihou, DONG Zhaoju, ZHAO Yongjun</td>
<td>195</td>
</tr>
<tr>
<td>An Empirical Study of the Factors Influencing the Quality of Construction Management Students</td>
<td>ZHANG Suxian, HE Shuyuan, ZHANG Yuan</td>
<td>202</td>
</tr>
<tr>
<td>The Mathematical Model of Employment in China Based on Stepwise Regression</td>
<td>ZHANG Yuchun, MA Jianjun, HAO Pingbo</td>
<td>207</td>
</tr>
<tr>
<td>Cointegration Analysis of Hebei Human Capital's Influence on Rural Labor Non-agricultural Employment</td>
<td>LI Xiaojing, LUO Ting</td>
<td>212</td>
</tr>
<tr>
<td>An Analysis of &quot;Mechanics Shortage&quot; Phenomenon in Private Enterprises</td>
<td>MA Xun, BAI Shaojun</td>
<td>216</td>
</tr>
<tr>
<td>Chapter Three: Information Technology and Knowledge Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>An Application Model of the Measurement of Scientific &amp; Technological Innovation Effectiveness in Industrial Sectors</td>
<td>ZHANG Pu, GUO Hong</td>
<td>222</td>
</tr>
<tr>
<td>An Empirical Analysis of Financial Incentive Effect Based on Technical Innovation Ability in Corporations</td>
<td>LIU Aidong, LIU Wenjing</td>
<td>229</td>
</tr>
<tr>
<td>The Regional Technological Innovation's Input-output Analysis Based on PLS</td>
<td>ZHANG Weiwei</td>
<td>237</td>
</tr>
<tr>
<td>The Empirical Analysis of Enterprise Value's Growth in Basing Technological Innovation Capability</td>
<td>WANG Jingmin, LV Hong, LI Na</td>
<td>242</td>
</tr>
<tr>
<td>Knowledge Management and the Construction of Repository in Research Institutions</td>
<td>WANG Xinhao, NING Luqiao, WANG Ying</td>
<td>247</td>
</tr>
<tr>
<td>Research on the Limitations of Statistically-based NLP Models</td>
<td>GONG Zhiqi, YIN Xiaojing</td>
<td>252</td>
</tr>
<tr>
<td>Research on Statistical Mechanisms of Language Acquisition</td>
<td>HAN Haiyan</td>
<td>260</td>
</tr>
<tr>
<td>Research on Early Warning System of Enterprise Financial Crisis</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Chapter Four: Consumer Market

The Study on the Modes of Mobile Business

HE Junhong .......................................................... 317

The Relationship between Personal-oriented Values and Purchase Intention of Facial Whitening Products: A Study of Chinese Male in Yunnan of China

MA Mengli, LI Yan .................................................. 323

Research on the Relationship of Online Enterprise Service Quality and Customer Satisfaction

LIU Jun, LIU Yi, YAN Lixin ........................................ 331

Research on Chinese One-child Generation Consumers’ Motivation of Conspicuous Consumption

JIANG Yan ............................................................. 337

Conceptualizing Consumer Behavior under TV-shopping Context

DENG Desheng, PENG Wei .......................................... 342

A Study on Tourism Impacts and Residents’ Satisfaction—An Empirical Structural Model of Mount Lushan and Taishan, China

WU Xinyu, ZHONG Sheng ........................................... 346

Study on China’s Retail Business Low-carbon Supply Chain Management Based on Life Cycle Analysis
LI Yan, LI Luyi, WANG Wenhua ................................................................. 351
Study on Multi-task Incentive Mechanism for Closed Loop Supply Chain

LI Hong ........................................................................................................ 357
A Profit Model for Analyzing Retail Industry in a Competitive Market

LI Qiaoqiao, WANG Jue ............................................................................. 363
Empirical Analysis on Consumers' Perceived Risk Dimensions about Food

LIU Yan, JI Chengjun ................................................................................. 367
Fear Segments in Tourism under Current Economic Crisis

XU Huali, HAN Fang .................................................................................. 373
Interaction between Franchise Value and the Risk-taking Behaviors of Commercial Banks

XIAO Weiguo, HONG Sisi .......................................................................... 378
The Demonstrate Research on Service Tend to Experience Based on Customer Preference

GUO Huibin, LI Kui ..................................................................................... 382
Empirical Studies on the Influence of Performance, Covenant and Reputation on Supply Chain

ZHOU Honggen, ZHAO Qian .................................................................... 388
An Extension of a Theorem on Channel Capacity per Unit Cost

TIAN Dagang ............................................................................................... 394
The Analysis of Cyber-marketing Environment and Its Effect Factors

YUAN Linsan, CHEN Honghui ................................................................. 399
Demand Pattern of Air Cargo Customers by Mining Association Rules

LI Cheng, YAO Hongguang, WU Jing ....................................................... 403
SDC Analysis on Hotel Bed-reception Ability during High and Low Tourist Seasons

GUO Qingguang .......................................................................................... 407
Impact Factor Analysis of Dairy Product Consumption

WANG Jianjun, WU Qingjun ....................................................................... 418
An Empirical Study of the Service Industry Status and Development Countermeasures in Shaanxi Province

ZHANG Suxian, HE Handong, LUO Tongqing ......................................... 422
Research on Information Sharing in the Supply Chain Management

QI Limei, ZHOU Baoping .......................................................................... 427
Theoretic Researches on Risk Management of Large Project in Total Life

WANG Yanfang, SONG Lei, GUO Chunyan ............................................. 431
A Research on the Supply Chain Management of the Small and Medium-sized Enterprises in the E-commerce Environment

GAN Weihua, ZHANG Zhifeng .................................................................. 440
Research on the Suppliers Selection Based on Risk Matrix

Analysis on Forecasting the Consumption of Telecom Customers—Study Based on the Kunming Data
ZHAO Jinjin, FEI Yu ........................................................................................................... 448
Research on the Linkage between the Market and the Asset Allocations of Excellent Asset Allocation Fund

SUN Wu ................................................................................................................................. 453
Customer Satisfaction Research of China’s Motorcycle Market

LI Yan, LI Baoku .................................................................................................................. 457
Product Market Competition and Managerial Incentives: Evidence from China’s Publicly Listed Firms

MA Hongjuan, DU Jinmin .................................................................................................. 462
Study on Enterprise’s Quick Reaction Mechanism Based on Customer Complaint

BAI Jianlei, XIN Deqiang .................................................................................................. 467
Developing Yunnan Hot Spring Industry—Lessons from Japan Kurogawa Unsen (Hot Spring) Industry and Modern Marketing Theory

ZHU Peng, ZHANG Yuan ................................................................................................. 473

Chapter Five: Changing of Labour Intensive Industry

Performance Study of Corporate Performance of Board Supervision and Management Mechanism Reforms in Japan—Based on Parametric and Non-parametric Tests

LI Bin, ZHENG Chenggong, ZHOU Xiaonan ......................................................................... 477
An Empirical Research on Spatial Characteristics and Dynamics of China’s Service Industrial Agglomeration

REN Yinghua, QIU Bihuai, FAN Fan ................................................................................ 481
Interactive Relationship between Internal Corporate Governance and Accounting Information Disclosure

SU Xinlong, ZHENG Wei ................................................................................................. 488
The Impulse Response and Factor Analysis of Industrial Structure on China’s Energy Consumption

MA Liping, CHEN Shouli .................................................................................................... 503
Empirical Analysis of Industry Growth and Profitability of Listed Companies of A-share in Shanghai Stock Market

MA Huimin ........................................................................................................................ 509
Managing Rapid Change through Reengineering: An Object Oriented Successful Implementation Perspective

Md. Salah Uddin Rajib, Md. Shariful Alam, Md. Shamsul Arefin ............................................ 516
Study on Upgrading Efficient of Technology System in Enterprises—Based on the Analysis of Questionnaire

ZONG Yunzhang ................................................................................................................ 522
Research on Cooperative Management of Slow Moving Spare Parts for Process Industries

WEI Xiaorui, YANG Chao, LIU Jun .................................................................................... 527
Evolution Mechanism of Corporate Life Cycle Based on System Theory
SONG Wei, ZHANG Hualun, PENG Xiaobao

The Study of Selection of Middle Managers Based on Matter Element Analysis

YANG Hongjuan, MENG Xudong

Reverse Outsourcing: A Growth Model of Chinese Firms

LIU Danlu, ZHENG Jianghuai

Empirical Analysis on Capital Structure of Listed Steel Companies in Hebei Based on Risk Model

DING Chao, REN Feng

Research and Application for the Chinese Enterprise Innovation Development Index

PANG Jingan, YU Jie, CAO Yan

The Effects of Differences between Firms’ Business Purposes on the Double Marginalization Issue

HU Fang

Analysis of Audit Opinion Affecting Factors—From the Perspective of Earnings Management

XIAO Xiang, LIU Yang

Ownership Concentration, Ownership Control and Over-investment

LIU Su

Study on Independent Innovation of Equipment Manufacturing Industry in Wuhan

ZOU Wei

Executive Ownership and Corporate Diversification Strategy—Based on Empirical Data of Small Listed Companies

DIAO Yuzhu

The Research on Mechanism of Business Model Innovation Based on Systems Thinking

REX Xiangming

Research on Enterprise Cooperative Innovation Game Model Based on the Regulation of Social Relationships

WEI Xiangming

Impact Factors of Capital Structure Study on Listed Companies in US Health Care Sector

XU Jing, XU Xiangzhen

Marketing Behavior and Moral Measurement on the Enterprise

LIU Shan, CAO Junwen, ZHOU Xuefeng

On Energy Consumption Structure with Minimal Carbon Dioxide Emissions Research from 18 Industry Sectors in China

TONG Yan, AN Liren

Empirical Research on Technological Innovation Mode Selecting in Manufacturing

TAN Rongjuan

Study on the Industrial Planning of the Disaster-affected Areas Based on the Analysis of County Competitive Power—Take an County as an Example

TONG Yan, AN Liren
Chapter Six: Progressive Living Standard and Community Management

Statistical Measure of Optimal Social Security Level in Guangdong
   XIA Minghui, SONG Guanghui .................................................. 660

Index's Creating and Empirical Analysis for the Public Humanities and Social Science Literacy
   MA Shixiao, DONG Wenyan, YUE Wenhe ................................ 665

A Research on the Complexity of Emergent Decision and Coordination
   LI Xiao, ZHANG Pengzhu ....................................................... 669

Population Age Structure, Saving, and Growth in China: Modeling and Empirical Analysis
   ZHOU Mingchun, CAI Donghan ............................................... 674

The Empirical Analysis of Income Gap among Governmental Officials in Different Regions and Its Influencing Factors
   YANG Lixing, ZHANG Lu ...................................................... 679

The Research on Scale of Social Security Expenditure under Aging of the Population
   YANG Shengli, LI Zhenglong ................................................ 684

Pension Funds Growth and Financial Market Development: Analysis and Testing on UK data
   YI Shanshan ......................................................................... 691

The Researches on Problems and Countermeasures of City's Population Aging
   GUAN Ping, LI Zhenglong ..................................................... 696

The Analysis of Basic Old-age Insurance Financial Burden
   HAO Yong, ZHANG Xiantong ................................................ 702

Research on the Effectiveness of Top Management Compensation Encouragement in Driving Biopharmaceutical Enterprise Performance
   SONG Tao ............................................................................ 707

Logistic Regression Model on Marital Gratification of Women Civil Servants
   YANG Jianping, YANG Liu .................................................... 714

The Influencing Factors of Marital Satisfactory for Chinese Middle-aged Adults
   DONG Zhiyong, XIAO Caide ................................................ 720

Comet Assay of DNA Damage in Brain Cells of Offspring Rats Exposed to Long-term Intake High Fluoride and Low Iodine

* 8 *
GE Yaming, NING Hongmei, LIU Junwei, CHEN Junjie, CUI Yanhong, YANG Xuefeng, ZHONG Hua, WANG Jundong

Enterprise Innovation Culture System Research from the View of Dissipative Structure Theory

LIU Liping, WANG Dan

The Research of Schedule Risk Management in the Real Estate Project Based on Analytic Hierarchy Process

LI Jianbo, CHEN Xi

Dynamic Structural Balance of the Fund of China’s Hybrid Urban Pension System Based on Actuarial Model

WAN Chun

An Empirical Study on the Impact of Team Climate on the Organizational Citizenship Behavior

LI Jing, ZHANG Qi

An Empirical Study of the Influence of the Real Estate Market Regulation Policy on Housing Prices

LU Xiaoyong, WU Chan, XIA Yonghui

The Burden of Disease in Shilin County 2003

ZHOU Shangcheng, LIU Bing, WAN Chonghua

The Evolution of Persistent Inequalities in Society

ZHANG Fangfeng, ZHANG Xuehu, More Tejaswini K.

Research on the Income Gap between Urban and Rural Residents in Dalian Based on R/S Method

ZHENG Yongbing, QIAN Minghui

Subjective Measures of Economic Well-being among Older Adults in Beijing, China

LI Chao

Associations between Economic Factors and Birth Defects

YANG Jie, HAN Shipeng, ZHAO Qiang

Related Party Transactions and Earnings Management: Evidence from China’s Rights Offering Companies

DU Jinmin, GAO Jie

The Analyses on the Relationship between Economic Development and Environmental Pollution in Shandong Province at the Perspective of Emission Reduction

WANG Lei, ZHAO Yanning

On Rural Agriculture Technical Efficiency in the Mountainous Area in the West of China with Stochastic Frontier Analysis

HU Yibin, LI Jie, LIU Zhengnan

Price Regulation or Deregulation: Taking the Interest Rate as Example

ZHUANG Guangxian, LIU Bing

Study on the Social Security Condition in Our Country by Means of Factor Analysis and Measurement

CHEN Jie, ZHAO Yueping, ZHANG Lihua

Study on Early-warning and Warning Source Assessment of Real Estate Market in Harbin

WANG Gangyi, QIAN Wei, WANG Ying
A Study on the Measurement about Living Quality of Resident Based on the Coefficient of Variation

LI Hongmei, JIA Dongdong, LI Yanlin ................................................................. 825

Chapter Seven: Wealth Research and Financial Reformation

The Empirical Study on Performance of Option Incentives within the Management of Listed Companies in China

HU Wenxiu, MU Qingbang ................................................................. 831

Research on the Small and Medium-sized Enterprise Credit Contract Equilibrium Model under the Bank Monopoly and Interest Rate Limit

CHEN Jianming ................................................................. 837

Value Distribution of Combined Intangible Assets Based on Analytical Hierarchy Process

HU Yanrong, WU Chong, LIU Hongjiu ................................................................. 843

Sensitivity of Uncertainty and Effect of Financing Constraints to Enterprises' Investment

BAI Ruifeng, GUO Jianqiang ................................................................. 848

R&D Intensity and Auditor Choice: Evidence from China’s Capital Markets

CHEN Shenglan ................................................................. 853

Decision Responsibility, Project Cognition and Escalation of Commitment in Capital Budgeting

TANG Yang, HE Chao ................................................................. 862

Free Cash Flows, Overinvestment and Boards of Directors Control

CAI Jifu ................................................................. 867

The Pulse Effect of 2008 Beijing Olympic Games on the RMB Exchange Rate

CAO Ling, GONG Yurong ................................................................. 872

Basel II Impact on Loan Pricing

LI Xinian ................................................................. 877

Exploit NPL’s Value for AMC via Operations Research and Computer

WANG Donghao, YANG Xiongguang ................................................................. 882

An Empirical Study on the Influence of Global Financial Crisis on SMEs in Central China: Taking the Listed Companies in SMEs Board as an Example

DAI Fashan, FAN Yinfang ................................................................. 887

Earnings Management and Fair Value Measurement Model—Research Based on the Statistics of China’s Quoted Companies

CHEN Chen ................................................................. 895

A Study on the Management Strategies of the Seed Stage Venture Capital Investment in China

CHEN Gang, LIU Shen ................................................................. 899

The Empirical Analysis on Financial Integration of China and Thailand

DING Wenli, LU Peng, RUAN Jiachen ................................................................. 905

Multiple Regression Analysis and Verification of Taxation Amount in Heilongjiang

CAI Defa, ZHANG Xicai, CAI Jing ................................................................. 919
Enabling Factors’ Identification of Credit Risk Derivative Process Based on Subjective Default

LI Jiajun, ZHAO Jia, QIN Liping ................................................................. 924

On Optimal Dividend Problem of Dual Insurance Model Perturbed with Diffusion

LI Zhendong, MENG Qingbin, ZHANG Yanru ........................................... 930

Pre-warning of Financial Crisis on Listed Companies: Theoretical Model and Empirical Evidence

WANG Liying, LIU Houping ................................................................. 935

FDI Stock, R&D Stock and Independent Innovation—A Dynamic Panel GMM Analysis of Provincial Data in China

PENG Jianping, LI Yongcang, LI Hui .......................................................... 940

Representative Agent and Asset Pricing on Large Security Market

ZHANG Guosheng ................................................................. 950

The Association between Audit Organizational Form and Audit Quality

WANG Ruyan ................................................................. 956

Comparative Study on the Monetary Policy’s Regulation and Control Effect on the Stock Market in China before and after Non-tradable Shares Reform

HE Yiqing, SHI Ke ................................................................. 966

Behavior of Stock Return’s Volatility and Forecasting Model

LOU Xiaofei ................................................................. 971

Application of an Optimized GM (1,1) Model for Forecasting Financial Investments to Science and Technology

CUI Jie, WANG Hong, XIE Naiming .......................................................... 977

Price Discovery, Volatility and Information Transmission: The Empirical Evidence from A-share Market and H-share Market

LI Baoren, LIU Yin, ZHANG Nan ............................................................. 984

The Research on Insurance Funds Investment Risks Based on VaR

LI Xingyu ................................................................. 992

Research on Relationship between Board Characteristics and Investment

XU Wei, YIN Yuanjia ............................................................. 1003

The Research for Shanghai Stock Index Volatility Base on GARCH Model

WU Haijian, ZHOU Li ............................................................. 1008

Chapter Eight: Civil Engineering and Environmental Systems

The Positive Analysis of EKC Development of Hebei Environment Quality

LUO Ting, LI Xiaojing ................................................................. 1012

A Research Study on the Construction of Renewable Energy Service Chains in Rural Areas

LI Xin, LIU Weiguo ................................................................. 1016

Application of Value Engineering in Determination of Design Scheme of Multi-storey Brick-concrete Structure Building
Carrying Capacity and Utilization Potential Analysis of Groundwater Resources in Semiarid District in Heilongjiang Province

Co-integration Analysis between Technology Innovation and Economy Development in Shandong Province

Logistics Project Management Process Analysis Based on Empirical Study: An Australian Alice Spring to Darwin Railway Perspective

Development Policy for Tea Geographical Indication Based on DEMATEL—Taking “Hanzhong Xianhao” as the Case

Analysis of the Influencing Factors on Southwest Drought in China Based on Partial Least-squares Regression Method

The Forecast of Sulfur Dioxide Emissions Based on Spatial Statistics Analysis

The Value Evaluation Methods Design on the Base of the Optimization Management Model of Wildlife Resources

Research on Financial Support to the Development of the Logistics Industry—Based on an Empirical Test of China

The Study on Difference of Regional Development and Its Causes in China’s Basic Public Services

SWOT Analysis on Building Chongqing into a Regional Financial Center

Study for Dynamics Analysis and Development of Beijing Housing Market under the New Situation

The Empirical Research on Resource Environment and Regional Technology Innovation Ability

Research on the Provincial Disparity of the Public Utilities Management Performance in China

Based on Grey Markov Model & Qualitative Analysis of Civil Aviation Incidents Prediction

The Designs and Decision-making Model of Sulfur Dioxide Emissions Reduction Program for Coal Power Companies
Chapter Nine: Sustainability

An Analysis of the Factors Affecting Public Satisfaction Concerning Government Performance Evaluation—Taking Yantai City as an Example

TONG Zhen, DONG Chuanjie, LIN Xuechun .................................................. 1150

An Ecological Footprint Study on the Mineral Resources Exploitation

DU Qinjun, DONG Jia .......................................................... 1157

Study on the Balanced Development of Hebei Economic and Ecological Environment

LI Xiaoqing, LUO Ting ............................................................. 1169

Research on the Relationship of Customer Satisfaction and Corporation Performance

GAO Xia ............................................................................. 1173

An Empirical Analysis on Relationship between China’s Governmental Public R&D Investment and Independent Innovation

XU Xiaoyang, YANG Zhengrong ...................................................... 1178

The Study of the Coordination Problem between Science & Technology and Economy Development in Different Area of China

DAI Jinhui ................................................................. 1183

Sudden Stops and the Risk Control

CHAI Zhengmeng, LIANG Hong ............................................... 1188

The Ecological Pressure Quantitative Analysis on the Development of the Population, Socio-economic to the Environment in Jilin Province

ZHENG Liwen, ZHANG Juan .................................................. 1193

Green Finance and Sustainable Development of Economy

WANG Shunqing, LIU Zi ...................................................... 1197
The Financial Effect and Disclosure Management of SR under Economic Security: From Listed Electricity Companies

WU Zhanxia, WANG Zhouwei, ZHENG Jie ................................................................. 1200

E-commerce-based CRM System Implementation Study

JIANG Hui, KANG Zhenhua ................................................................. 1207

Statistic Analysis of Competence of Technological Innovation of Jilin Province

YI Baozhong, ZHANG Liqun, ZHONG Chongwen .......................................................... 1214

Research on the Measurement of China's Sustainable Development Based on the BP Network Model

ZHOU Xueren, LI Dongyang, ZHENG Dongsheng ............................................................ 1220

Prediction of China's Initial Energy Production Based on Gray System Theory

XIE Deming, XIE Jianlin, DU Wei ................................................................. 1229

Study of Technology Advance and China's Energy Efficiency

ZHANG Yanxia, ZHANG Chuanping, ZHANG Qing .......................................................... 1235

A Study on Industry Credit Risk

TANG Yuanqi, LI Jianping ................................................................. 1243

The Research on Social Responsibility Reports and Disclosure of Environmental Performance: A Study of Steel Company in China

LIE Li mei .......................................................................................... 1248

An Empirical Research on Determinants of Corporate Social Responsibility Information Disclosure

ZHU Jinfeng, LAN Xiaobei ................................................................................. 1253

Experimental Research on the Factors Influencing the Chip Quality of Caragana

YUAN Xiangyue, YU Guosheng, LIU Xiaohu .......................................................... 1258

Effects of Enhanced UV-B Radiation on the Interaction between Marine Microalgae and Heterotrophic Bacteria

ZHOU Wenli, TANG Xuexi, LI Lixia, SUN Jingfeng, QIAO Xiuting ........................................... 1264

Corporate Environmental Responsibility in Low-carbon Economy

LIN Yunlian .............................................................................................. 1269

Empirical Study of the Relationship between Trade Structure of Imports and Technical Progress in China

ZHAO Linhai .......................................................................................... 1274

Statistical Analysis on the Relationship between Corporate Social Responsibility and the Shareholders’ Interests—An Empirical Study on Listed Companies

XU Wei, LIU Jiyi .................................................................................... 1278

Authors Index ......................................................................................... 1283