

## TABLE OF CONTENTS 目 录

**Application of Machine Learning in the Prediction of Compressive Strength of Concrete**  
(机器学习在混凝土抗压强度预测中的应用)

W. D. RAO.....	1
----------------	---

**Research on the Problem of Selecting the Parameter Values for LLE Algorithm**  
(LLE 算法中有关参数选取问题的研究)

F. LI, X. GAO.....	7
--------------------	---

**An Empirical Analysis on Relationship between Export and per Capita GDP of China**  
(我国出口贸易与人均 GDP 增长的实证分析)

X. P. HE.....	17
---------------	----

**County Urban Comprehensive Competitiveness Comparative Analysis Based on the Application of R**  
(基于 R 应用的县级城市综合竞争力比较分析)

W. Q. LI, Q. DENG.....	26
------------------------	----

**The Sample Covariance Matrix and the Sample Correlation Matrix and Their Applications in the Sample Principal Component**

(样本协方差矩阵和样本相关矩阵及其在样本主成分中的应用)

Y. Y. ZHANG, T. Z. RONG.....	34
------------------------------	----

**Research on Comprehensive Evaluation of Real Estate Listed Companies Based on Principal Component Analysis**

(基于主成分分析的房地产行业上市公司综合评价研究)

Z. H. LI, J. P. ZHANG, L. L. FENG.....	63
--	----

**Analysis of Energy Consumption Influencing Factors in China Based on the Lasso Method**

(基于 Lasso 方法的我国能源消费影响因素分析)

X. T. LI, D. Y. QIN, M. H. LV.....	73
------------------------------------	----

**The Price Forecast Model of Commodity Houses and Its Application**

(商品房价格预测模型及其应用)

X. W. XIA.....	81
----------------	----

**An Analysis of the Associative Factors Affecting College Students' Mathematical Achievements**

(影响大学生数学成绩关联因素分析研究)

W. ZHENG, Y. P. WU, Y. M. XU, F. SUN, L. H. ZHANG, Y. H. GUO.....	87
---	----

**Four Methods for Estimating Unknown Parameters in Panel Model**

(浅谈 Panel 模型中未知参数的四种估计方法)

W. Q. KANG..... 92

**SEE Variable Selection for Joint Mean and Variance Models**

(均值方差联合模型的 SEE 变量选择)

T. YAO, F. T. LU, R. Q. TIAN, Q. Q. LV..... 98

**Wine Evaluation Model**

(葡萄酒评价模型)

Y. M. XU..... 104