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## SELECTIVE ENFORCEMENT OF REGULATION OF SECURITIES REGULATORY ORGANISATIONS: INVESTIGATION STAGE OR PUNISHMENT STAGE? (BASED ON DIFFERENT SCALES OF LISTED COMPANIES)

## WANG MINGHU PROFESSOR SCHOOL OF BUSINESS ANHUI UNIVERSITY OF TECHNOLOGY MA'ANSHAN, CHINA

## ZHU ZHIKANG STUDENT SCHOOL OF BUSINESS ANHUI UNIVERSITY OF TECHNOLOGY MA'ANSHAN, CHINA

#### ABSTRACT

In this paper, using data from A share of Shanghai and Shenzhen securities exchanges, we explored the relation between firm scale, different work stages of security market regulatory authorities. We find that security regulatory authorities tend to investigate small scale firm, but they will not make a difference between large and small scale firms when they punish the violators. Further study finds that after "the 18<sup>th</sup> national representative meeting of the CPC", the fairness of enforcement of security regulators increases, but violations of the violators do not reduce obviously after they are punished.

#### **KEYWORDS**

selective enforcement of law, firm scales, securities regulatory organisations.

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#### **1.INTRODUCTION**

The legal system plays a pivotal role in the effective operation of the capital market and even the whole economic development (La Porta et al., 2002). For emerging and transitional economies, effective law enforcement is more critical (Johnson et al., 2000). In transition and emerging countries, because of the imperfection of legal system, selective law enforcement regulation plays an important role (Glaeser et al., 2001). Securities market regulation is the necessary mechanism to solve the market failure and improve the market efficiency, China has formed a securities regulatory system which mainly bases on "one Commission and two Exchanges"<sup>1</sup>, the current securities regulatory system has played a major role in securities market regulation, but in recent years many violations of market regulations broke out, and this means the securities regulatory supervision still has some defects. Among them, the fairness of market supervision is has become an important issue, and the differentiated law enforcement behavior by regulatory agencies is an important factor which leads to low regulatory efficiency (Chen et al., 2012)

About the research on selective law enforcement, most studies pay attention to the impact of the law enforcement environment and the political cost of law enforcement, less attention has been paid to the internal working mechanism and procedures of the regulatory agencies, thus the internal causes of the problems cannot be found. In fact, the selective law enforcement is made by the securities regulatory authorities<sup>2</sup>, and in-depth research on each link of law enforcement process is needed. From a practical point of view, the supervision process of law enforcement agencies consists of two stages: investigation stage and punishment stage. Selective law enforcement may occur both in the investigation stage and in the punishment stage. Current research mainly focuses on the punishment stage of the selective law enforcement, little attention has been paid to the investigation stage. Selective law enforcement in the investigation stage and the punishment stage not only has completely different reasons, but also different extents of damage on social injustice, and the "Criminal law not applying to senior officials and the etiquette not applying to common people<sup>3</sup>" will cause greater injustice. Therefore, to study the different stage of law enforcement of regulatory agencies can give an overall inspection on the justice of the enforcement, thus can find the inner cause of selective enforcement and make out targeted measures.

In view of the above considerations, this paper explores the influence of firm scale differences on regulatory selective law enforcement in the two work stages: investigation and punishment. We choose firm scale as research perspective to examine the selective law enforcement because current literature found that firm scale is one of the important factors which relates to regulatory selective law enforcement, and also because firm scale is a comprehensive feature of enterprises, which affects the property rights, political cost and political background of the enterprise.

In contrast to the existing studies, The possible contribution of this paper may be as follows: (1) this paper conducts an in-depth analysis of the selective law enforcement of securities regulators from the two stages of investigation and punishment, and finds that selective law enforcement mainly appears in the investigation (i.e. case-filing stage); (2) this paper evaluates the impact of objective factors such as enterprise scale on the selection of regulatory agencies from the perspective of resource constraints and work objectives of regulatory agencies, and reveals the internal reasons for the securities regulators' selective law enforcement on large-scale enterprises, so our paper enrich the research paradigm of the existing literature which assess the behavior of regulatory agencies mainly through the social consequences of administrative penalties. (3) this paper also points out that the feasible path to reduce the selective law enforcement of securities regulators is to increase the regulatory investment and team building to reduce the constraints on the supervision work of securities regulatory agencies.

## 2. LITERATURE REVIEW AND THE OBJECTIVES OF THE STUDY THEORETICAL ANALYSIS, AND RESEARCH HYPOTHESES 2.1 LITERATURE REVIEW

Many studies have demonstrated the existence of selective law enforcement by regulators, especially in transitional economies (Pistor et al., 2000). For example, Han and Chen (2002) found that the amount of punishment imposed by fraud companies and their senior managers is not related to the amount of fraud, and the

<sup>3</sup> A famous saying of Confucius

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<sup>&</sup>lt;sup>1</sup> 'One Commission' represents 'China Securities Regulatory Commission' (hereafter 'CSRC'), "Two Exchange" represents Shanghai Stock Exchange and Shenzhen Stock Exchange.

<sup>&</sup>lt;sup>2</sup> The securities regulatory authorities including: CSRC, the branches of CSRC in each province of China (these branches of CSRC has the authority and responsibility to supervise listed companies under their jurisdiction.

fairness of the punishment is questioned. Dai and Yang (2006) found that law enforcement agency will handle the similar cases with different speed, and fine different amount in different periods. There are many factors which influent selective law enforcement, and scholars mainly study such factors as firm's political background, nature of equity, firm size, performance and local government intervention. The main conclusions are as following: (1) When securities regulatory authorities punish violators, state-owned/holding companies are punished relatively light (Gan, 2007; Yang, 2009; Cai et. al. 2016, Chen et. al. 2016). (2) Listed companies with political background are punished more strongly for violations than listed companies with no government background (Zhang et. al, 2013), (3) Securities regulators often impose lighter penalties on larger businesses to reduce political and social impact (Zhang et. al, 2013; Cai et. al. 2016) (4) Compared with listed companies with high performance, regulators will give more priority to choosing listed companies with poor performance to check their information disclosure (Yang, 2005). In China, there is a "selective bias" in regulatory penalties, and regulatory penalties are mainly aimed at companies that send "bad news" (Song, 2010).

Current studies have found the phenomenon of selective law enforcement, and explored some characteristics of selective law enforcement by securities regulatory authorities, which provides a theoretical basis for subsequent research. But there are still some problems to be explored. Firstly, current studies focus on the selective law enforcement in the punishment stage, and ignore the selective law enforcement in the investigation stage. Case investigation is the basis of the punishment. In contrast to selective law enforcement in the punishment stage, selective law enforcement in the investigation or not investigation), while the selective law enforcement in the punishment stage has a qualitative impact on judicial fairness (lipht punishment). Obviously, the negative effect of selective law enforcement in the investigation stage is greater than that in the punishment stage. Secondly, in analyzing the reasons for selective regulatory law enforcement, current research focuses on the possible economic and social consequences of punishments, ignores the impact of law enforcement costs, administrative performance evaluation and other internal factors on the behavior of regulatory agencies, and these intrinsic factors may be the decisive factors.

#### 2.2 OBJECTIVES OF THE STUDY

Considering the above imperfection and potentialities about current research, we conduct our research. The objectives of our study can be expressed as follows: (1) to seek the internal cause of selective law enforcement in security regulations, to give a further explanation why larger companies are "sheltered" by regulators. (2) to check the results of elective law enforcement in security regulations, to find out whether the punished companies reduce their illegal behavior after punishment.

#### 3. THEORETICAL ANALYSIS AND RESEARCH HYPOTHESES

#### 3.1 ANALYSIS OF SELECTIVE LAW ENFORCEMENT IN THE INVESTIGATION STAGE

According to the China Securities Regulatory Commission's 2014 annual report<sup>4</sup>, the regulatory working process of securities regulators on the regulatory objects is shown in the following figure:

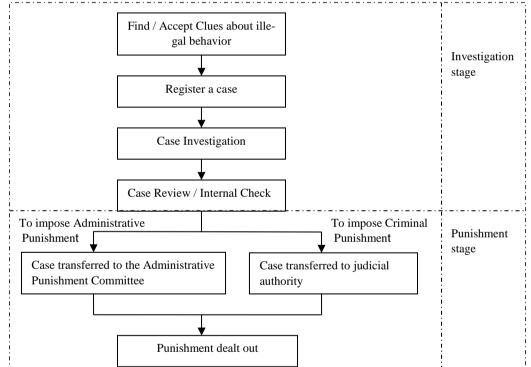


FIGURE 1: SCHEMATIC DIAGRAM OF THE SUPERVISION WORK OF THE CHINA SECURITIES REGULATORY AUTHORITIES

As shown in Figure 1, the regulatory working process of securities regulators is divided into two stages: investigation stage and punishment stage. In investigation stage, securities regulators mainly investigate violators' behavior in each case and confirm violation of law. The supervision of listed companies mainly includes investigating of these companies, analyzing data, and confirming the violations of violators. As a government department, the behavior of perform duties by securities regulators is affected by the following factors:

#### (1) The objective of regulatory behavior

From the perspective of the responsibilities of the securities regulatory authorities, in the investigation stage, the main task of regulatory authorities is to discover the behaviors of listed companies which violate security regulations. In China, due to large incidence of listed companies' violations, to discover violation behavior as more as possible is the preliminary task for regulatory authorities. Secondly, regulatory work should be carried out with efficiency, that is, "if violation confirmed, then punishment made", to improve the closing rate of cases. So, it is the main objective for securities regulatory authorities, to discover the listed companies which violate securities regulations as many as possible, and to confirm the nature of violation.<sup>5</sup>

<sup>&</sup>lt;sup>4</sup> See "China Securities Regulatory Commission 2014 Annual Report", China Finance and Economic Press, April 2015, p. 31.

<sup>&</sup>lt;sup>5</sup> For example, in its 2019 annual work report, China Securities Regulatory Commission reported that it accepted 544 effective clues about violations of laws and regulations in 2019, launched 395 investigations, registered 344 new cases, and completed 344 cases. Throughout the year, 86 listed companies or related subjects were registered, and the number of cases increased by 28 cases compared with 2018.See China Securities Regulatory Commission in 2019, China Finance and Economic Press, May 2020, p. 50.

#### (2) Resource constraints

Securities regulatory authorities need resources to carry out supervision work, and financial resources and human resources are the two important resources. Financial resources are mainly the expenditures used by the securities regulatory authorities for the registering and investigating the violation behavior of listed companies. The securities regulatory department belongs to the government department, and it has strict budget restrictions on all kinds of public service expenses, and it also has strict restrictions on the expenses used for the investigation of listed companies. The personnel of securities regulatory departments are civil servants, and the number of personnel for each security regulatory authorities is limited. Thus, the working time to be used for investigation of listed companies is also limited. The restrictions on the expenditures and working time used for the investigation of listed companies form the necessary condition for regulatory agencies to conduct selective law enforcement in the investigation stage of listed companies.

In order to confirm the above views, we have collected the departmental final accounts of the CSRC in 2011-2019, and counted the main expenses related to the regulatory work. See the table below:

#### TABLE 1: STATISTICAL TABLE OF FINANCIAL INSPECTION AND CASE PROCESSING EXPENDITURE OF CSRC IN 2011-2019<sup>6</sup> (unit: 10 000 RMB yuan)

Year	Budget	Real expenditure	Budget completion
2011		5449.08	NA
2012	5500	5396.34	98.12
2013	5500	5879.4	106.90
2014	5650	6684.3	118.31
2015	6150	6338.13	103.06
2016	8356.66	8501.22	101.73
2017	7210.51	7430.54	103.05
2018	6835.25	6745.1	98.68
2019	8426.36	7027.1	83.39

According to Table 1, the financial inspection and case handling expenditure of securities regulators have a specific budget. As for the implementation of the budget, in 2014, the real expenditure exceeded budget by 18.31% (maximum over expenditure) and the real expenditure in 2013-2017 exceeded the budget, while in 2012,2018 and 2019 real expenditure did not exceed the budget, indicating that the budget constitutes a certain binding force.

#### (3) Analysis framework of selective law enforcement in the investigation stage

In this part, we use the linear planning method to study the behavior of securities regulators in the investigation stage. Because the main work in the investigation stage is to investigate listed companies and collect data about violation, the data about the investigation are not published to the public, so the local government of investigated companies will not intervene, and public media could not report on such work. The main influent factors are within regulators themselves. Assuming that the total amount of funds used by a securities regulatory authority (such as a stock exchange, a local branch of CSRC or CSRC itself) to investigate listed companies within one year is C, the total working time of the investigators responsible for investigating the enterprises is T. There is n listed companies under their jurisdiction, whose assets are  $a_1$ ,  $a_2$ , ...,  $a_n$  respectively. Assume that the expenditures and working time consumed on investigating each company are positively proportional to the size of the company<sup>7</sup>. The regulator's expenditure and working time for investigating each unit of asset is p and q respectively.

$$\sum_{t=1}^{n} pa_t > C$$
$$\sum_{t=1}^{n} qa_t > T$$

That is to say, if all the listed companies under jurisdiction are to be investigated, not only regulators' funds are insufficient, but also, they will face the problem of insufficient working hours.

In order to confirm the above arguments, we collected the investigation data of the securities regulatory authorities in 2011-2019, as shown in the Table 2.8

#### TABLE 2: STATISTICS OF CSRC INVESTIGATION DATA ON VIOLATION OF LISTED COMPANIES IN 2011-2019

Year	Number of listed companies	Total shares (100 million)	Clues ac- cepted	Companies In- vestigated	Companies Investigated/Total listed companies (%)	Newly regis- tered cases	Cases closed
2011	2342	29745	290	262	11.19		
2012	2494	31833	380	316	12.67		82
2013	2489	33822	611	442	17.76	190	86
2014	2613	36795	678	488	18.68	205	163
2015	2827	43024	732			345	196
2016	3052	48750	603	551	18.05	302	198
2017	3485	53746	625	478	13.72	312	335
2018	3584	57581	678	536	14.96	268	244
2019	3777	61739	544	395	10.46	344	316

According to the data in the table above, from 2011 to 2019, the total number of listed companies in China increased by 61.27%. Correspondingly, the number of listed companies under investigation and newly registered cases also have a growing trend, but the increase has gradually slowed down or even decreased. The highest ratio of companies investigated (Companies Investigated/Total listed companies) appeared in year 2014, 18.68% of listed companies were under investigation. As the number of listed companies and the number of total shares in the market increases, the pressure of supervision of listed companies continues to increase, and the ratio of companies investigated gradually went down. In 2019, the ratio of companies investigated dropped down to 10.46%, indicating that there is not enough resources to satisfy comprehensive regulatory needs.

Secondly, as a branch of government department, the securities regulatory authorities have a specific goal in the investigation stage of listed companies, which is to supervise listed companies as many as possible and to improve the case closing rate. Assume the number of listed companies to be investigated within a year is n\* (n\*<n), then the objective function of the securities regulatory authorities is:

y=max (n\*) The range of its feasible solutions is:

<sup>8</sup> The blank items in the table are unpublished data, according to the annual report of CSRC in 2011-2019

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<sup>&</sup>lt;sup>6</sup> According to the notes to the final accounts, the expenditure on financial inspection and case handling refers to the expenditure used for the investigation and punishment of illegal cases in the securities and futures market.

<sup>&</sup>lt;sup>7</sup> Normally, the larger the company, the more economic activities, the more time and expenditures regulators will spend on to investigate the company.

$$\sum_{t=1}^{n} pa_t \leq C$$
 $\sum_{t=1}^{n^*} qa_t \leq T$ 

According to the work objectives and the range of its feasible solutions, it is not difficult to see that for the regulatory authorities, in order to get the highest n\*, investigation priority must be given to the companies with relatively small size<sup>9</sup>. In this way, the regulatory authorities can supervise the of listed companies as many as possible within limited funds and working time to optimize its performance.

#### 3.2 ANALYSIS OF SELECTIVE LAW ENFORCEMENT IN THE PUNISHMENT STAGE

The work of the securities regulatory authorities in the punishment stage is to determine the punishment schemes for the violations according to the investigation and analysis results in the investigation stage. Although China's securities laws and relevant laws and regulations have penalties for different violations of listed companies, most of these penalties have discretion space. The securities regulatory authorities will make a punishment scheme for the violators according to the punishment discretion space.

Considering that the regulatory authorities have completed the investigation of the violators in the investigation stage, the subsequent investigation expenditures and working times of the regulatory agencies in punishment stage are relatively small. There will be no selective law enforcement due to insufficient funds and working time. The social consequences of different punishment schemes are important factors which regulators should give enough consideration. (1) The positioning of securities regulatory function

Different from the emergence of securities markets in western countries, China's securities market was established in the period of economic transformation. Its preliminary objective is to help state-owned enterprises solve problems and to transfer the burden of state-owned banks. It is not spontaneously produced in the development of market economy (Yang, 2009). Therefore, China's securities market has shouldered the double responsibilities of maintaining macroeconomic stability and cultivating an orderly and effective financing market. In the 2019 annual report, CSRC clearly pointed out that: "adhere to the work guidance of seeking improvement with stability ..., to support the development of the economy"<sup>10</sup>. It means that maintaining macroeconomic stability and development is the primary responsibility of the CSRC. In this case, to punish the large-scale enterprises is not conducive to the stability and development of the macro economy. Therefore, under this functional positioning, the regulatory authorities will not tend to give severe punishment to large-scale enterprises. (2) The impact of local government intervention on the punishment of regulatory agencies

Local government intervention in the economy is a characteristic phenomenon in China. One of the key indicators of government performance assessment is the level of local economic development, and the performance of large-scale local enterprises often largely determines the local economic status, thus the economic interests of large enterprises are aligned with the political interests of local government officials (Zhu, 2004). Therefore, before regulators determine the punishment scheme, local governments will try to shelter large-scale enterprises, and regulators often do not easily cut the "big cheese" of local governments. (3) The impact of media reports and public opinion on punishment by regulators

Media reports and public opinion are important social forces to promote judicial justice (Zhou, 2016). With the development of traditional news media and emerging media such as the Internet, punishment to listed companies made by securities regulators will soon be known to the public. Cu and Li (2012) found that after the violations of the listed companies are announced, the negative media reports of the violators will attract the attention of the regulatory authorities and the public. Under social pressure, regulators will actively enforce the law. As large-scale enterprises receive more media and public attention (McCombs, 2003), regulators will tend to strictly enforce the law when formulating punishment schemes for large-scale enterprises to maintain their own authority.

Summarize the impact of the above two different directions, it can be seen that in the punishment stage, the regulatory punishment of large-scale enterprises is affected by different directions, and the relationship between selective law enforcement and the scale of the punished enterprises is not obvious.

Considering the different influencing factors and selection tendencies of the securities regulators in the investigation and punishment stages, we propose the hypothesis: In the investigation stage, securities regulatory authorities, restricted by funds and working time, will be inclined to choose small-scale enterprises for investigating; In the punishment stage, influenced by the positioning of regulatory functions, the intervention of local government, media and public opinion pressure, the scale of enterprises has little influence on the selective law enforcement of securities regulatory authorities.

#### 4. RESEARCH DESIGN

#### 4.1 REGRESSION MODEL

To test the correctness of our hypothesis, we set the following regression model:

 $Offend_{i,t}/Tmax_{i,t} = \alpha_0 + \alpha_1 Scale\_1_{i,t} + \alpha_2 Control_{i,t} + \epsilon_{i,t} (1)$ 

#### 4.2 VARIABLE DEFINITION

(1) Offend<sub>i</sub>, it represents whether the regulatory authorities investigated firm i in year t, it is a dummy variable. We draw on the study of Chen (2012), when the regulatory authorities announced illegal behavior of a certain listed company i in year t, the value of Offend<sub>i</sub>, is 1, otherwise the value is 0.

(2) Tmax<sub>i,t</sub>, it represents the punishment imposed on the listed company i in year t, it is a dummy variable. We draw on the study of Xin et. al.(2013), values for each type of punishment of the listed company are assigned according to the severity of the type of punishment. If the types of punishment are "public criticism," "warning," "fine," "condemnation" and "market ban", the punishment value are 1,2,3,4 and 5 respectively. If company i suffers various types of punishment from the CSRC in year t, the value of the heaviest punishment is set to Tmax<sub>i,t</sub> in that year. If the listed company i is not punished by the CSRC in year t, Tmax<sub>i,t</sub> value is 0. If company i and its senior executives are punished at the same year, the corresponding values of the two punishments will be added as the value of Tmax<sub>i,t</sub>. (3) Scale\_1, it represents the scale of company i in year t. It is measured as natural logarithm of the total assets of company i at the end of year t-1. All the definitions of other variables used in the model are shown in Table 3:

<sup>10</sup>See China Securities Regulatory Commission in 2019, China Finance and Economic Press, May 2020, p. 5

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<sup>&</sup>lt;sup>9</sup> In order to improve the case closing rate, some law enforcement departments deliberately divided big case into small cases, or take the initiative to undertake small cases, delay big cases. See Deng MiaoMiao: Compared with split cases, more absurd is blindly pursue closing rate[J]. Honesty outlook, 2018, August (the first half), page 13

	TABLE 3: VARIABLES DEFINITION TABLE								
Variable name	Variable explanation	Variable measurement							
Tem_1 <sub>i,t</sub>	earnings management degree	The sum of the accrued earnings management and the real earnings management of company i in year t-1							
Pc <sub>i,t</sub>	Political background	If the chairman of directors, general manager or CEO of company i is a member of the People's Congress or of the CPPCC, or now or once served in the government department, its value is 1, otherwise its value is 0							
Top1 <sub>i,t</sub>	Stockholder concen- tration	The shareholding proportion held by the largest shareholder of company i in year t.							
State <sub>i,t</sub>	Nature of equity	If the real controller of firm i is the state in year t, its value is 1, otherwise its value is 0							
Dual <sub>i,t</sub>	The ratio of independ- ent directors	The number of independent directors divide by the number of the board of directors for company i in year t							
Listage <sub>i,t</sub>	The age of listed com- pany	The time from the company going public till 2018 for company i in year t							
Roe <sub>i,t</sub>	The ratio of net in- come to net equity	Net income of year t divide by net equity at the end of year t for company i							
Ap <sub>i,t</sub>	Audit opinion	For company i in year t, if the audit opinion in the audit report is unqualified opinion, its value is 1, otherwise its value is 0							
Big4 <sub>i,t</sub>	Auditor selection	If the audit reporting is made by the "Big Four", its value is 1; otherwise its value is 0							
ibr <sub>i,t</sub>	CEO Duality	For company i in year t, if the chairman of the directors is also the CEO of the company, its value is 1, otherwise its value is 0							
Mpt	monetary policy	First, for each year, Mp=M2 growth rate-GDP growth rate-CPI growth rate. Then, we get the median of MP from2008-2018. For year t, if MP>=median, its value is 0, otherwise its value is 1.							
Q <sub>i,t</sub>	Tobin's Q	The market value of company i at the end of year t/the total assets of the company at the end of year t							
Market <sub>i,t</sub>	Marketizaition index	Marketizaition index of the region where company i registered in year t. the data from "Marketizaition index of China 's Provinces: NERI report 2018" by Wang et.al							
Loss <sub>i,t</sub>	loss	If the net profit of company i in year t is negative, its value is 1, otherwise its value is 0.							
Growth <sub>i,t</sub>	Growth ability	The annual growth rate for company i in year t							
Short <sub>i,t</sub>	Current liability ratio	Current liability divides by total liability for company i in year t							
Debt <sub>i,t</sub>	Debt ratio	Total liability at the end of year t/total assets at the end of year t for company i							
Tra <sub>i,t</sub>	Total assets turnover	Total revenue in year t/total assets at the end of year t for company i							
Ocf <sub>i,t</sub>	Net cash flow from op- erating activity	Net cash flow from operating activity of year t for company i							
Year	year	control							
Ind	industry	control							

#### 4.3 SAMPLE SELECTION AND DATA SOURCES

We select A-share listed companies in 2008-2018 as the initial sample, the financial data of these companies are collected from Data Base CSMAR. We delete financial and insurance companies' samples, ST and \*ST samples, and samples which some of the variables are omitted. We finally get 17435 samples. The data of punishment of listed companies imposed by securities regulatory authorities are collected from data base CSMAR. We use STATA 15.0 to analyze all the data. To avoid the effect of extreme values on the regression results, the main variables were winsorized by 1%

#### 5. EMPIRICAL RESULTS AND ANALYSIS

#### 5.1 DESCRIPTIVE STATISTICS OF FULL SAMPLE

The descriptive statistics of the main variables of the model (1) are listed in Table 4. The mean of Offend is 9.2%, it means that 1604 companies had been investigated by securities regulatory authorities during 2008-2018. The mean of Tmax is 1.57, it means that most kind of punishment imposed on the companies are "public criticism".

#### TABLE 4: DESCRIPTIVE STATISTICS OF THE MAIN VARIABLES IN THE REGRESSION MODEL (1)

DLC 4	E DESCRI	PIIVESIAI	ISTICS OF	THE MAIN VARIABLES IN THE REGRESSION MODE					
V	ariable	Samples	Mean	Standard deviation	Minimum	Maximum			
C	Offend	17435	0.092	0.289	0	1			
Т	max	2583	1.57	2.74	0	10			
S	cale_1	17435	22.138	1.340	18.842	25.740			
Т	em_1	17435	0.164	0.28	-0.332	1.386			
Т	op1	17435	34.63	15.088	8.447	74.976			
S	tate	17435	0.468	0.499	0	1			
D	Dual	17435	0.371	0.052	0.308	0.571			
Ν	Лarket	17435	8.234	2.001	2.87	11.8			
L	istage	17435	12.246	5.803	3	25			
A	р	17435	0.989	0.106	0	1			
В	3ig4	17435	0.06	0.237	0	1			
lt	br	17435	0.21	0.407	0	1			
Ν	Лр	17435	0.476	0.499	0	1			
R	loe	17435	0.057	0.144	-0.809	0.418			
С	۲ ک	17435	2.146	2.072	0.199	12.552			
L	OSS	17435	0.11	0.313	0	1			
G	Growth	17435	0.216	0.613	-0.616	4.501			
S	hort	17435	0.812	0.185	0.247	1			
D	Debt	17435	0.503	1.394	-0.195	138.378			
Т	ra	17435	0.169	0.122	0.013	0.687			

#### **5.2 SUB-SAMPLES STATISTICS**

We divide the full samples into 6 groups according to the enterprise size, and compare the different treatment of companies with different size. See Table 5 for details

TABLE 5: ANALYSIS TABLE OF THE INVESTIGATION AND PUNISHMENT OF COMPANIES OF DIFFERENT SCALE

Scale_1	Offend (mean)	Scale_1	Tmax (mean)
18.84-20.73	0.099	18.76-20.60	2.46
20.74-21.31	0.089	20.61-21.18	1.36
21.32-21.79	0.088	21.19-21.71	1.32
21.80-22.32	0.083	21.72-22.19	1.44
22.33-23.13	0.079	22.19-22.96	0.97
23.14-25.74	0.072	22.97-24.84	1.05

The column 2 of the table above reflects the probability of companies of different sizes in the investigation stage. We can see that smaller listed companies have a higher probability of being investigated, and the highest probability is 0.099. As the scale of the companies goes up, the probability of being investigated goes down. Column 4 of Table 3 reflects the average intensity of punishments for companies of different sizes. Except the smallest size group, the mean of Tmax of other groups dangles between 0.97 and 1.44, there is no clear relation between company scale and Tmax. All the results agree with our hypothesis. **5.3 CORRELATION ANALYSIS** 

The Pearson and Spearman correlation coefficients among the regression model variables are reported in Tables 6 and 7. we can see that Scale\_1 is inversely associated with the Pearson and Spearman correlation coefficients of Offend and Tmax (The level of significance is 0.01), that also agree with our hypothesis

#### TABLE 6: CORRELATION COEFFICIENT AMONG THE MAIN VARIABLES OF THE REGRESSION MODEL (1) (dependent variable: Offend)

	IA	BLE 0. CO	RELATIO					ARIADLES		EGRESSIO	N MODEL	. <b>(1)</b> (uep		mable. Of	ienu)	
	Offend	Scale_1	Top1	State	Dual	Market	Listage	Ар	Big4	Ibr	Мр	Roe	Q	Growth	Debt	Tra
Offend	1	- 0.020***	- 0.034***	- 0.034***	0.006	- 0.065***	0.021***	- 0.066***	- 0.039***	0.021***	0.038***	- 0.085***	-0.013*	- 0.028***	0.064***	- 0.024***
Scale_1	- 0.027***	1	0.193***	0.336***	-0.004	0.025***	0.350***	0.050***	0.294***	- 0.171***	- 0.063***	0.098***	- 0.628***	- 0.025***	0.439***	0.027***
Top1	- 0.033***	0.238***	1	0.233***	0.022***	0.006	- 0.089***	0.061***	0.134***	- 0.053***	0.035***	0.138***	- 0.126***	0.010	0.054***	0.106***
State	- 0.034***	0.339***	0.232***	1	- 0.069***	- 0.178***	0.398***	0.028***	0.139***	- 0.279***	0.048***	- 0.044***	- 0.350***	- 0.107***	0.299***	0.065***
Dual	0.004	0.025***	0.038***	- 0.063***	1	0.014**	- 0.028***	-0.014*	0.021***	0.098***	-0.010	- 0.024***	0.052***	0.007	- 0.020***	- 0.051***
Market	- 0.060***	0.030***	0.000	- 0.173***	0.009	1	- 0.097***	0.024***	0.054***	0.106***	- 0.191***	0.066***	0.103***	0.015**	- 0.104***	0.034***
Listage	0.021***	0.284***	- 0.079***	0.389***	- 0.029***	- 0.092***	1	- 0.040***	0.065***	- 0.209***	- 0.027***	- 0.088***	- 0.276***	- 0.143***	0.375***	- 0.038***
Ар	- 0.066***	0.060***	0.058***	0.028***	-0.014**	0.024***	- 0.039***	1.000	0.012*	-0.002	0.003	0.069***	- 0.034***	0.046***	- 0.069***	0.050***
Big4	- 0.039***	0.378***	0.146***	0.139***	0.038***	0.055***	0.064***	0.012*	1	- 0.069***	0.001	0.089***	- 0.171***	-0.008	0.102***	0.038***
lbr	0.021***	- 0.162***	- 0.059***	- 0.279***	0.102***	0.106***	- 0.201***	-0.002	- 0.069***	1	- 0.028***	0.011	0.177***	0.049***	- 0.148***	- 0.040***
Мр	0.038***	- 0.059***	0.036***	0.048***	-0.007	- 0.179***	- 0.034***	0.003	0.001	- 0.028***	1	0.001	0.060***	- 0.091***	0.039***	0.020***
Roe	-0.006	- 0.020***	-0.004	-0.008	0.005	-0.009	0.007	0.022***	0.000	0.012*	-0.001	1.000	0.149***	0.330***	- 0.051***	0.266***
Q	-0.002	- 0.063***	-0.006	-0.008	0.004	0.000	0.000	-0.001	-0.003	-0.003	0.008	0.001	1	0.072***	- 0.584***	- 0.034***
Growth	0.000	- 0.030***	0.007	0.007	-0.005	-0.011	0.008	0.001	-0.002	-0.002	0.007	0.000	0.000	1	-0.007	0.187***
Debt	0.007	- 0.023***	0.000	0.035***	0.005	- 0.022***	0.072***	- 0.090***	0.011	- 0.018***	0.013*	0.000	0.731***	0.001	1	0.114***
Tra	-0.008	0.034***	0.082***	0.067***	- 0.040***	0.032***	0.027***	0.024***	0.029***	- 0.041***	0.014**	-0.001	-0.008	0.007	0.010	1
	riangular ce			orrelation c	oefficients,	upper-tria	ngular cells	are Spearr	man's rank	correlation						
*** p<0	.01, ** p<0	.05, * p<0.	1													

	TA	BLE 7: CO	RRELATIC	ON COEFF	CIENT AN	IONG TH	E MAIN V	ARIABLES		EGRESSIC		<b>L (1)</b> (dep	endent v	ariable: Ti	max)	
	Tmax	Scale_1	Top1	State	Dual	Market	Listage	AP	Big4	Ibr	MP	Roe	Q	Growth	Debt	Tra
Tmax	1	-	-	-	0.013*	-0.018**	0.039***	-	-	0.007	-0.006	-	0.029***	-	0.035***	-
		0.040***		0.030***				0.088***	0.023***			0.074***		0.034***		0.040***
Scale_1		1	0.193***	0.336***	-0.004	0.025***	0.350***	0.050***	0.294***		-	0.098***		-	0.439***	0.027***
	0.038***									0.171***	0.063***		0.628***	0.025***		
Top1	-	0.238***	1	0.233***	0.022***	0.006	-		0.134***	-		0.138***	-	0.010	0.054***	0.106***
	0.045***						0.089***			0.053***			0.126***			<b> </b>
State	-	0.339***	0.232***	1	-	-	0.398***	0.028***	0.139***	-	0.048***	-	-	-	0.299***	0.065***
	0.026***				0.069***	0.178***				0.279***		0.044***	0.350***	0.107***		<b> </b>
Dual	0.012*	0.025***	0.038***	-	1	0.014**	-	-0.014*	0.021***	0.098***	-0.010	-	0.052***	0.007	-	-
	0.016**	0.020***	0.000	0.063***	0.000	4 000	0.028***		0.05.4***	0.106***		0.024***	0 4 0 0 * * *	0.045**	0.020***	0.051***
Market	-0.016**	0.030***	0.000	- 0.173***	0.009	1.000	- 0.097***	0.024***	0.054***		- 0.191***	0.066***	0.103***	0.015**	- 0.104***	0.034***
Listage	0.032***	0.284***		0.389***			1		0.065***		0.191				0.375***	<u> </u>
Listage	0.032		- 0.079***		- 0.029***	- 0.092***	1	- 0.040***	0.065	- 0.209***	- 0.027***	- 0.088***	- 0.276***	- 0.143***	0.375	- 0.038***
AP	-		0.079			0.032	-	1	0.012*	-0.002	0.027	0.069***		0.046***	-	0.050***
	0.080***	0.000	0.050	0.020	0.014	0.024	0.039***	-	0.012	0.002	0.005	0.005	0.034***	0.040	0.069***	0.050
Big4	-	0.378***	0.146***	0 139***	0.038***	0.055***		0.012*	1	-	0.001	0.089***	-	-0.008		0.038***
5.5.	0.019***	0.070	0.11.0	0.100	0.000	0.000	0.001	0.012	-	0.069***	0.001	0.005	0.171***	0.000	0.102	0.000
lbr	0.008	-	-	-	0.102***	0.106***	-	-0.002	-	1	-	0.011	0.177***	0.049***	-	-
		0.162***	0.059***	0.279***			0.201***		0.069***		0.028***		-		0.148***	0.040***
MP	-0.011	-	0.036***	0.048***	-0.007	-	-	0.003	0.001	-	1	0.001	0.060***	-	0.039***	0.020***
		0.059***				0.179***	0.034***			0.028***				0.091***		
Roe	-0.008	-	-0.004	-0.008	0.005	-0.009	0.007	0.022***	0.000	0.012*	-0.001	1	0.149***	0.330***	-	0.266***
		0.020***													0.051***	
Q	0.000	-	-0.006	-0.008	0.004	0.000	0.000	-0.001	-0.003	-0.003	0.008	0.001	1	0.072***	-	-
		0.063***													0.584***	0.034***
Growth	-0.001	-	0.007	0.007	-0.005	-0.011	0.008	0.001	-0.002	-0.002	0.007	0.000	0.000	1	-0.007	0.187***
		0.030***														<b></b>
Debt	0.006	-	0.000	0.035***	0.005	-	0.072***		0.011	-	0.013*	0.000	0.731***	0.001	1	0.114***
		0.023***				0.022***		0.090***		0.018***						<b> </b>
Tra	-	0.034***	0.082***	0.067***		0.032***	0.027***	0.024***	0.029***	-	0.014**	-0.001	-0.008	0.007	0.010	1
	0.018***				0.040***					0.041***						L
		ells report P		orrelation c	oefficients,	upper-tria	ngular cells	are Spearr	man's rank	correlation						
`** p<0.	.01, ** p<0	.05 <i>,</i> * p<0.1														

#### 5.4 RESULTS OF THE MULTIPLE REGRESSION ANALYSIS

The results of the multiple regression analysis are shown in Table 8. To further observe the relation between Offend, Tmax and Scale\_1, we divide our sample into two group: Big Size group and Small Size group. That is, if a company's total asset is larger than the median of full sample, it is included in the Big Size group, otherwise in Small Size group. In Panel A, we can see that Scale\_1 is significantly negatively associated with Offend (The level of significance is lower than 0.05) in full sample, and Scale\_1 is negatively associated with offend (The level of significance is lower than 0.01) in the Big Size group, but Scale\_1 is not significantly related to offend in Small Size group (the absolute value of T is less than 1.60). All these mean that the larger the company scale, the lower the possibility to be investigated by regulators, and this effect does not exist in small-scale companies. In Panel B, each column shows that Tmax is negatively or positively related to Scale\_1, but the relation is not significant (each absolute value of T is less than 1.60). It shows that there is no obvious relationship between the punishment intensity and the scale of the punished object. All these results confirm our hypothesis.

TABLE	TABLE 8: MULTIPLE REGRESSION ANALYSIS OF ENTERPRISE SIZE AND REGULATORY LAW ENFORCEMENT											
	Panel A	(Dependent varia	able: Offend)	Panel I	3 (Dependent vari	able: Tmax)						
	Full sample	Big Size group	Small Size group	Full sample	Big Size group	Small Size group						
Scale_1	-0.025**	-0.029*	-0.002	-0.017	0.014	-0.025						
	(-2.06)	(-1.71)	(-0.12)	(-1.39)	(0.90)	(-1.25)						
Tem_1	0.050***	0.054***	0.048***	0.036***	0.021	0.049***						
	(5.21)	(3.91)	(3.51)	(3.52)	(1.50)	(3.28)						
Top1	-0.006	0.005	-0.019*	-0.015*	-0.011	-0.021*						
	(-0.76)	(0.45)	(-1.70)	(-1.84)	(-0.88)	(-1.94)						
State	-0.027***	-0.033***	-0.019	-0.024***	-0.007	-0.036***						
	(-3.05)	(-2.72)	(-1.47)	(-2.72)	(-0.60)	(-2.95)						
Dual	0.003	0.003	0.009	0.007	-0.003	0.015						
	(0.47)	(0.26)	(0.74)	(0.92)	(-0.38)	(1.25)						
Market	-0.030***	-0.040***	-0.017	-0.017*	-0.012	-0.018						
	(-3.60)	(-3.47)	(-1.32)	(-1.84)	(-0.99)	(-1.33)						
Listage	0.006	-0.007	0.018	0.009	-0.006	0.015						
	(0.66)	(-0.56)	(1.18)	(0.97)	(-0.47)	(1.03)						
Roe	-0.032***	-0.015	-0.044**	-0.056***	-0.028	-0.071***						
	(-2.63)	(-0.91)	(-2.52)	(-3.05)	(-1.05)	(-2.90)						
Ар	-0.041***	-0.034**	-0.048***	-0.053***	-0.054**	-0.052**						
	(-3.56)	(-2.17)	(-2.88)	(-3.06)	(-2.15)	(-2.20)						
Big4	-0.010	-0.007	-0.012	0.001	-0.004	-0.010***						
	(-1.55)	(-0.74)	(-1.49)	(0.19)	(-0.36)	(-2.61)						
lbr	0.016**	0.020*	0.013	0.003	0.005	0.003						
	(1.99)	(1.78)	(1.10)	(0.38)	(0.41)	(0.24)						
Мр	0.176***	0.184***	0.168***	0.083***	0.095***	0.080***						
	(13.58)	(9.92)	(8.60)	(5.93)	(4.37)	(3.96)						
Q	0.012	0.020	0.016	0.053***	0.032*	0.039**						
	(1.08)	(1.45)	(0.97)	(3.70)	(1.83)	(2.03)						
Loss	0.032***	0.037**	0.027*	0.019	0.042**	0.001						
	(2.83)	(2.32)	(1.70)	(1.42)	(2.13)	(0.04)						
Growth	0.011	0.014	0.012	0.011	0.015	0.007						
	(1.30)	(1.10)	(0.92)	(0.91)	(1.00)	(0.42)						
Short	0.005	-0.002	0.012	0.020**	0.034***	0.007						
	(0.61)	(-0.18)	(0.95)	(2.05)	(2.77)	(0.48)						
Debt	0.082***	0.096***	0.071***	0.047***	0.039**	0.047***						
	(8.15)	(6.81)	(4.95)	(3.83)	(2.43)	(2.82)						
Tra	-0.035***	-0.052***	-0.022	-0.036***	-0.039***	-0.038***						
	(-3.54)	(-3.75)	(-1.55)	(-3.62)	(-2.84)	(-2.70)						
Ocf	-0.027***	-0.036***	-0.011	0.003	-0.005	0.010						
	(-3.94)	(-3.35)	(-0.75)	(1.15)	(-1.08)	(1.44)						
Industry	controlled	controlled	controlled	controlled	controlled	controlled						
Year	controlled	controlled	controlled	controlled	controlled	controlled						
adj. R <sup>2</sup>	0.040	0.044	0.034	0.023	0.015	0.028						
Ν	18458	10165	8293	18458	10165	8293						

As to other control variables, both Tem\_1, debt was significantly positively correlated with Offend and Tmax, this means that the greater the degree of earnings management and the larger the debt ratio, more likely to be "poor" companies, and the more likely to be subject to regulatory investigation, and the more severe punishment. State has significantly negative associations with both Offend and Tmax, indicating that state-owned listed companies are "sheltered" by regulatory authorities in the investigation and punishment stage. Market is significantly negatively associated with both Offend and Tmax, indicating that law enforcement is relatively lax in highly marketized region. Roe, Ap, Tra, and Ocf are all significantly and negatively associated with Offend, indicating that companies with good performance, good audit opinions, fast asset turnover speed, and large cash flow of operating activities belong to "good" companies, they are given preferential treatment in investigation stage by the regulatory authorities.

#### 5.5 ENDOGENEITY TEST

Due to the reciprocal causation relationship between firm size and the regulatory investigation, endogenous problems may arise in the regression analysis. To observe the effect of this endogenous problem on the results of this study, we examine the effect in two ways. First, we use Propensity Score Matching method (PSM), divide the full sample into groups by industry, the median of Scale\_1 (scale\_m). After matching we conduct regression analysis, the results are shown in table 9. Scale\_m is significantly negatively associated with Offend. Second, we use instrumental variable method, take industry average scale as instrumental variable and conduct regression analysis. The results are shown in Table 9, the scale of companies is significantly negatively associated with Offend (the level of significance is lower than 0.1). All these results indicate that endogeneity does not affect the validity of our hypothesis.

#### TABLE 9: THE ENDOGENOUS TEST RESULTS OF COMPANY SCALE AND REGULATORY ENFORCEMENT

	Dependent variable: Offend							
	PSM	instrumental variable method						
Scale_m	-0.020**							
	(-2.17)							
Scale_1		-0.345*						
		(-1.78)						
Other variables	controlled	controlled						
adj. <i>R</i> ²	0.035							
N	16931	17435						

5.6 ROBUST TEST

We use the natural logarithm of sales revenue of listed companies to measure the size of the companies, and conduct regression analysis, the results are shown in Table 10. the results are similar to that of Table 8, this again confirms our hypothesis.

TABLE 10: ROBUSTNESS TEST- REPLACE THE MEASUREMENT OF FIRM SCALE										
	Panel A	(Dependent varia	able: Offend)	Panel B (Dependent variable: Tmax)						
	Full sample	Big Size group	Big Size group Small Size group		Big Size group	Small Size group				
Scale_1	-0.027**	-0.040***	-0.005	-0.012	0.017	-0.033				
	(-2.30)	(-2.97)	(-0.26)	(-0.88)	(1.25)	(-1.56)				
Tem_1	0.065***	0.060***	0.064***	0.044***	0.038**	0.044***				
	(6.77)	(4.21)	(4.98)	(4.21)	(2.40)	(3.20)				
Other variables	controlled	controlled	controlled	controlled	controlled	controlled				
adj. <i>R</i> <sup>2</sup> 0.035		0.036	0.034	0.022	0.013	0.026				
Ν	18458	10085	8373	18458	10085	8373				

40 DODUCTNESS TEST, DEDUACE THE MEASUREMENT OF FIRMA COMP

#### **6. FURTHER RESEARCH**

#### 6.1 THE IMPACT OF POLICY CHANGE ON THE SELECTIVE ENFORCEMENT OF REGULATIONS

The law enforcement behavior of regulatory authorities is not only affected by their own function positioning, local government intervention and the scale of regulatory objects. Because China's securities supervision is a governmental behavior, the policy and guidance of the Communist Party of China (CPC) and government have an important influence on the law enforcement behavior. The 18th CPC Congress held at the end of 2012 required the securities regulatory authorities to speed up the transformation of their regulatory functions and strengthen their supervision and law enforcement and this signal to the regulators of "strengthening law enforcement" in the new era. In order to strictly enforce the implementation of CPC policies, CPC committees at all levels have conducted multiple rounds of inspections of subordinate government departments and public institutions, requiring "beat both flies and tigers". In other words, violators of different sizes should be treated equally. In order to test the impact of this policy on the regulatory enforcement behavior of regulatory authorities, we divide our samples into two groups: Before 2013 and After 2013, and observe the relationship between the size of enterprises and investigation behavior of the regulatory authorities around 2013. we conduct multiple regression on both sample groups, the results are shown in Table 11:

TABLE 11: MULTIPLE REGRESSION ANALYSIS OF POLICY CHANGES, ENTERPRISE SIZE AND REGULATORY FILING
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Dependent variable: Offend	Full sample		Big Size group		Small Size group		
	After 2013	Before 2013	After 2013	Before 2013	After 2013	Before 2013	
Scale_1	0.006	-0.065***	-0.010	-0.061***	0.014	-0.055**	
	(0.43)	(-4.06)	(-0.54)	(-2.83)	(0.59)	(-2.05)	
Tem_1	0.090***	0.032**	0.079***	0.038*	0.095***	0.020	
	(6.68)	(2.26)	(4.17)	(1.78)	(4.92)	(1.11)	
Other variables	controlled	controlled	controlled	controlled	controlled	controlled	
adj. <i>R</i> ²	0.033	0.042	0.028	0.047	0.038	0.033	
Ν	10696	7762	5878	4287	4818	3475	

It can be seen from Table 11 there are significant negative correlations between company size and regulatory investigations (The level of significance is lower than 0.01) before 2013 in full sample and both big and small size group, but the relationship between company size and investigation is no longer significant in full sample and both big and small size group, but the relationship between company size and investigation is no longer significant in full sample and both big and small size group after 2013. This shows that under the influence of the "fair law enforcement" of the CPC Central Committee, regulatory authorities enforce law more just in the investigation stage.

#### 6.2 POST-PUNISHMENT EFFICIENCY --- BASED ON THE EARNINGS MANAGEMENT BEHAVIOR

The purpose of the punishment is to "learn from past mistakes to avoid future ones, to cure the disease to save the patient". Therefore, whether the violation behavior of companies decreases after regulatory punishment is an important aspect of regulatory efficiency. Mao (2014) found that after being investigated by the regulatory authorities, larger companies often receive lighter penalties under the "shelter" of law enforcement agencies, and has a relatively weak incentive to correct violation behavior afterwards. There are also some studies find that investors are very concerned about larger companies' violations after they were investigated and punished by regulators. The stock price of companies that are punished for violations are easier to fall sharply, as a result, punished companies tend to correct violations to avoid investors from "voting with their feet"(Chen and Gao, 2005). To sum up, there are no agreed conclusions about whether the violations are corrected after punishment by regulators. We carry out further analysis of the change of earnings management after the listed company is punished, to study the effect of regulatory enforcement. We set the following model:

 $\mathsf{EM}_{i,t+1} = \beta_0 + \beta_1 \mathsf{Tmax}_{i,t} + \beta_2 \mathsf{Scale}_{i,t} + \beta_3 \mathsf{Tmax}_{i,t} \times \mathsf{Scale}_{i,t} + \beta_4 \mathsf{Control}_{i,t} + \epsilon_{i,t} \quad (2)$ 

In above model (2), EMi, t+1 measures the earnings management degree of each of the listed company i in year t+1 (both accrued earnings management "DA" and real earnings management "RM" are used as dependent variable). Tmax<sub>i,t</sub> is the dummy variable reflecting whether company i is punished in year t, if punished Tmax<sub>i,t</sub> is 1, otherwise it is 0. Scalei,t measures the size of company i in year t. We use interaction term Tmax<sub>i,t</sub> xScalei,t to measure how company scale affect earnings management after the company is punished. The regression results are shown in Table 12.

	DA	RM
Tmax <sub>i,t</sub>	0.054	0.201
	(0.36)	(1.58)
Tmax <sub>i,t</sub> ×Scalei,t	-0.042	-0.187
	(-0.28)	(-1.49)
Other variables	controlled	controlled
Intercept	0.147***	0.132***
	(7.11)	(2.32)
adj. R <sup>2</sup>	0.117	0.351
Ν	17768	16264

#### TABLE 12: RESULTS OF MULTIPLE REGRESSION OF REGULATORY PUNISHMENTS AND EARNINGS MANAGEMENT

We can see from Table 12 that the degree of earnings management is not significantly changed after the company is punished by the regulators (both DA and RM are not significantly related to Tmax<sub>i,t</sub> or Tmax<sub>i,t</sub>×Scalei,t, this may because the management of small-scale companies may feel that the securities regulatory authorities is unfair in law enforcement and treat small-scale companies more severe than large companies, so they have little incentive to rectify violations to reduce the punishment.

#### 7. RESEARCH CONCLUSIONS

We use the data of 2008-2018 of A-share listed companies in Shanghai and Shenzhen as research sample, and study the impact of company scale on selective law enforcement in different work stages of regulatory authorities. We get the following conclusions: (1) In investigation stage, due to financial constraints, regulatory agencies are inclined to choose small companies to file an investigation; in punishment stage, influenced by the supervision of the media and public opinion, the regulatory authorities make punishment relatively fairly. (2) Under the influence of the policy of the 18th CPC National Congress, the fairness of law enforcement has been significantly improved. (3) Companies do not reduce their earnings management activities after receiving regulatory punishments.

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Selective enforcement of law destroys the justice of the law, and encourages the speculative activity of violators, and brings adverse impact on the healthy development of the securities market. Considering the conclusions of our paper, we give following advice: (1) We should improve relevant laws and regulations. The selective law enforcement of the regulatory authorities is related to the lag of the laws and regulations related to the securities market development in China. With the continuous development of the securities market, more and more regulatory loopholes appear, and the applicability of existing laws and regulations, take into account the new situation and new problems in the securities market, and make amends to current laws and regulations, to increase the applicability of regulators and reduce the scope of selective law enforcement. (2) We should improve the allocation of resources of regulatory departments. An important reason for the selective law enforcement behavior by regulators is the lack of regulatory law enforcement resources. As the securities market continues to expand, more and more groups participate in the securities market activities, which makes the regulatory workload increases sharply. Therefore, the regulatory departments should continue to expand the law enforcement team, ensure enough funds, to reduce the constraints of the regulatory work. (3) We should improve regulatory targets, find signs of violations, and improve the pertinence and timeliness of investigations. Also, Regulatory agencies can cooperate with the work teams of audit and discipline inspection departments to share relevant survey data, reduce duplication of work to improve work efficiency. (4) We should increase supervision by the media and public opinion to encourage regulatory agencies at all levels to maintain a prudent attitude, handle cases fairly, and reduce the arbitrariness of law enforcement.

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#### MANAGEMENT AND LEADERSHIP CONCEPTS IN THIRUKKURAL

## Dr. K. BHAVANI SELVI ASST. PROFESSOR DEPARTMENT OF COMMERCE DRBCCC HINDU COLLEGE PATTABIRAM

#### ABSTRACT

One of the most valuable literature in Tamil is Thirukkural. Thirukkural was authored by Tiruvalluvar, the book comprises with 1330 Kurals under 133 titles each title has ten couplets encompassing with various themes of various dimensions. It gives guidance for people for living a worthy life so it is considered as scripture for valuable living. The entire articulate broadly covers three major heads – Araththuppaal, Porutpaal, and Kaamaththupaal. Araththuppaal deals with dharma and value based life, Porutpaal deals with material domains that help to understand the fine line of difference between materialism and spirituality. Kaamaththuppaal deals with the personal emotions of a human being. The entire book is a capsule of wisdom and practical guidelines, with simple and effective communication. It is true that Thirukkural is an ocean of information in all aspects, from the ocean the research paper brings few drops on the concept of leadership and management.

#### **KEYWORDS**

Thirukkural, leadership, management.

#### JEL CODE M10

#### INTRODUCTION

ne of the most valuable literature in Tamil is Thirukkural. It gives guidance for people for living a worthy life so it is considered as scripture for valuable living. Thirukkural was authored by Thiruvalluvar, the book comprises 1330 kurals under 133 titles each title has ten couplets encompassing various themes of various dimensions. The entire articulate broadly covers three major heads – Araththuppaal, Porutpaal, and Kaamaththuppaal. Araththuppaal deals with dharma and value based life, Porutpaal deals with material domains that help to understand the fine line of difference between materialism and spirituality. Kaamaththuppaal deals with the personal emotions of a human being. The entire book is a capsule of wisdom and practical guidelines, with simple and effective communication.

It is true that Thirukkural is an ocean of information in all aspects, from the ocean the research paper brings few drops on the concept of leadership and management.

#### MANAGEMENT AND LEADERSHIP

#### MANAGEMENT

Management has been defined in various ways. Simply stated, "Management is the art of getting things done through others." This is a very popular definition. It is very simple to understand. It reveals that a manager accomplishes objectives by guiding the efforts of other people. According to Drucker, "Management is a multipurpose organ that manages a business and manages managers and manages workers and work." A leader is one who guides and directs other people. He gives the efforts of his followers a direction and purpose by influencing their behavior.

#### **OBJECTIVES OF THE STUDY**

- 1. To explain about the concept of leadership and management.
- 2. To elucidate about the leadership and management concepts in Thirukkural.

#### **RESEARCH METHODOLOGY**

The present research is a Qualitative research, based upon the secondary data collected from Books, Journals, Blogs, Articles, Websites etc.

#### WHAT IS MANAGEMENT?

We are born in an organization (a family), live in an organization (society) and work in an organization (business, college, school, Government, army, etc.). Each one of these organizations is a group of persons working together to achieve some common objectives. The organizations can be successful only when the efforts of various individuals in the group are integrated into teamwork. The central agency which performs this task is known as management. It plays the same role in an organization which the brain does in the human body.

In the words of Knootz and O'Donnell, "Management is the creation and maintenance of an interval environment in an enterprise where individuals, working in groups, can perform efficiently towards the attainment of group goals." This definition contains three main elements: (a) Managers are responsible for creating an environment conducive to group performance (b) Managers operate through individuals and groups of persons and (c) The aim of management is to achieve effectiveness and efficiency in the accomplishment of common objectives.

#### **MANAGEMENT AS A HUMAN / SOCIAL PROCESS**

Essentially management is what the managers do. Therefore, management can best be defined as a process consisting of several interrelated elements. These elements of the management process are known as managerial functions. These elements or functions are:

Planning (preparing for future), organizing and staffing (assembling resources and creating inter-relationship among them), directing (guiding, supervising, motivating, leading, and communicating), controlling and coordinating (keeping activities on the right track and integrating efforts into a team). Management is a human or social process because it involves human beings and interrelationship among them. A manager becomes effective when he understands and makes proper use of human behavior for the smooth functioning of his unit. Thus, management is a social process.

#### LEADER AND LEADERSHIP

A leader is one who guides and directs other people. He gives the efforts of his followers a direction and purpose by influencing their behavior. Therefore, leadership may be defined as the quality of behavior of a person by which he is able to persuade others to seek the goals enthusiastically. It is the force which binds a group together and motivates it towards certain goals. According to George R. Terry, "Leadership is the activity of influencing people to strive willingly for mutual

objectives." Koontz and O'Donnell have defined leadership as "the ability of a manager to induce subordinates to work with confidence and Zeal." In the words of Alford and Beatty, "leadership is the ability to secure desirable action from a group of followers voluntarily without the use of coercion."

#### NATURE OF LEADERSHIP

- Leadership is a process of influence
- Leadership is a function of stimulation
- Leadership gives a feeling of contributing to common objectives
- Leadership is related to particular situation
- Leadership is a shared experience
- Leadership is not headship or bossism
- Leadership is an ongoing activity in an organization
- Leadership implies existence of followers
- Successful leadership leads to goal accomplishment

#### **QUALITIES OF A LEADER**

- Self discipline
- Mastery in knowledge
- Self confidence
- Self assessment
- Inner drive
- Human relations attitude

#### MANAGEMENT AND LEADERSHIP CONCEPT IN THIRUKKURAL

Thirukkural was a book written 2000 years ago. All the emerging concepts of management and leadership were clearly described by Thiruvalluvar 2000 years ago. This shows in ancient days how the Tamil culture was well established. We have development in all aspects like science and technology, management concepts, managing finance and investments, taxation process, women empowerment, architecture etc.

There are so many things to discuss in Thirukkural about management but, here in this study some of the management and leadership concepts in Thirukkural are highlighted.

#### MANAGEMENT BY THIRUVALLUVAR

#### DEFINITION OF MANAGEMENT

"Management is what to do, when to do, where to do, how to do and by whom to do". The management concept is explained in Thirukkural by Thiruvalluvar in the Kurral 484 in Adhikaram Kalamaridhal was explained the thing that if we want success in a process we have to start it at a right time and at a right place. "The pendant world's dominion may be won, In fitting time and place by action done". (Thirukkural 484)

Meaning: One can succeed in the attempt to conquer the world if the right time and the right place are chosen.

#### **DECISION MAKING**

Decision making is the process of choosing a course of action from available alternatives. This process involves understanding the problem, selecting a right alternative and implementing the chosen alternative at the right time. The decision making process is clearly define in the Kurral 668 in the Adhikaram Vinaithit-ppam explained that be clear in your decision and don't be delay in the execution of the decision.

"What clearly eye discuss as right, with steadfast will and mind unstrembering, that should man fulfill". (Thirukkural 668)

Meaning: What you have clearly decided to do, do it without hesitation and delay.

#### SELECTION

Selection is an important function and it must be performed carefully. Proper selection is very helpful in building up a suitable workforce. Selection means selecting the right person for the right job at the right time. The most important function in management is selection, Thirukkural explained about the process of selection in Kurral 516 in the Adhikaram Therindhuvinaiaadal, says that the success of the thing is in the hands of the person to whom it was handed over and the time in which it was processed

"Let king first ask, 'Who shall the deed perform?' and 'What the deed?'

Of hour befitting both assured, let every work proceed". (Thirukkural 516)

Meaning: The things to be done, the proper person for it and the appropriate time for doing it, must all be duly weighted.

Management is all about getting things done. A smart manager would know what needs to be done, who is the best person for doing it, and the right time to get it done.

#### WHO IS A LEADER - BY THIRUVALLUVAR

Leaders are usually evaluated by their actions. Society will qualify them to be a leader only by evaluating their actions.

"Though linked to splendours man no otherwise may gain,

Reject each act that may thine honour's clearness stain". (Thirukkural 961)

Meaning "one should not do any action that brings down the glory of the society even if it is unavoidable."

All actions of leaders should be focused on building values, ethics, confidence and positivity in the community. One cannot even dream of seeking avenues to leadership if his intentions are not focused on righteousness and building glory through positivity.

"The man endowed with greatness true,

Rare deeds in perfect wise will do". (Thirukkural 975)

Meaning "Glorious people will do all actions which are exemplary."

In a world of self-proclaimed leaders one has to understand that pseudo-leadership doesn't stand for a long time. A real leader needs to have relevant and visible competencies.

"Greatness humbly bends, but littleness always

Spreads out its plumes, and loads itself with praise". (Thirukkural 978)

Meaning: Great people will always show humility; small people always glorify themselves wondering their own actions)

It is important that the aspirants for leadership should display the quality of humility.

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### **QUALITIES OF A LEADER - BY THIRUVALLUVAR**

#### SELE DISCIPLINE

Leaders stand for their values and principles. They illuminate the thoughts, actions and pathways of several others who trust them and follow them.

"In his station, all unswerving, if man self subdue, Greater he than mountain proudly rising to the view". (Thirukkural 124)

Meaning "The image of a humble person who has not wavered from his position is glorious than a mountain"

Such leaders command respect from the followers, seekers and the community at large.

Leaders are role models whose actions speak louder than their words. These actions radiate positive energy all around and inspire the environment to replicate their models by dreaming to be like them or better and motivating them to learn and do more than what they are capable of. Thus, such leaders facilitate others to generate their own energy and maximize their outputs.

"A minister is he who grasps, with wisdom large,

Means, time, work's mode, and functions rare he must discharge". (Thirukkural 631)

Meaning "The role of governance (leadership) is to empower the instruments, the time, the operational strategies and the type of action."

Leadership is an indispensable part of the directing function and an important factor in organizational effectiveness. Without a good leader, an organization cannot function successfully.

#### MASTERY IN KNOWLEDGE

A leader is expected to have thorough knowledge of the subjects under his domain and experience in relevant skills. As he is supposed to guide others, he should be aware of and sensitive to the knowledge dynamics and should be familiar with the universe of his work station.

"In subtle learning manifold though versed man be,

'The wisdom, truly his, will gain supremacy". (Thirukkural 373)

Meaning: Even if one has studied advanced books, what remains will be one's real knowledge.

"A minister has power to see the methods help afford,

To ponder long, then utter calm conclusive word". (Thirukkural 634)

Meaning: The duty of leadership is to know, to analyze and mentor, and to speak out courageously

Leaders with personal mastery only can go in search of factual knowledge and will be able to mentor and speak courageously.

#### SELF CONFIDENCE

Adequate knowledge in the relevant field of activity is only one facet of the leadership. It helps the leader to get some light in the direction in which he should move or operate. But unless the leader takes the first step towards the direction he has to move, rather he would like to mobilize the team behind him, nothing will change. This ability to take the initial step requires self-confidence and courage of conviction.

"What men call 'power in action' know for 'power of mind' Extreme to man all other aids you find". (Thirukkural 661)

Meaning: The successful execution of an action depends on self-confidence; others are irrelevant.

This self-confidence and courage of conviction provides the much-needed energy for an individual to face all the ordeals with positivity and strength. He is not defeated by the difficulties that encounter him on his way towards his goal.

"Though toil and trouble face thee, firm resolve hold fast,

And do the deeds that pleasure yield at last". (Thirukkural 669)

Leaders need to have courage and conviction. In its absence, his leadership will always be looked at with suspicion.

#### **INNER DRIVE**

When a person is not deterred by the roadblocks in the path of progress and considers them as a routine course of life and enjoys the challenges with the same state of mind as he would deal with happiness, even his opponents love him for his commitment, courage and conviction. Thiruvalluvar calls such people 'exemplary' and says 'they are commended even by their rivals."

"Who pain as pleasure takes, he shall acquire

The bliss to which his foes in vain aspire". (Thirukkural 630)

Meaning: The elevation, which even his enemies will esteem, will be gained by him, who regards pain as pleasure.

He further adds:

"Who griefs confront with meek, ungrieving heart,

From them griefs, put to grief, depart". (Thirukkural 623)

Meaning: "People who are not afraid of facing roadblocks, create roadblocks to challenges and thus win over"

#### SELF ASSESSMENT

While many people aspire for leadership and want to play a proactive role in shaping systems, institutions and concepts, their desire, competency and style do not necessarily match the skills required for an effective leadership. Consequently, when they take up positions of responsibility they are not able to discharge their duties effectively. They exhibit absence of vision, direction and focus.

"The force the strife demands, the force he owns, the force of foes,

The force of friends; these should he weigh ere to the war he goes". (Thirukkural 471)

Meaning "Before you engage in an action, assess your strength, strength of others, strength of the action and the strength of the support systems."

If a leader is hasty in his actions without considerations and judgment of all that is listed above, he is bound to face defeat and suffer humiliation.

Mere desire to do something, mere curiosity and a sense of enterprise will not help or assure one of success. As such this curiosity and enterprise has to be weighed against the competence. Otherwise, the leader is likely to desert his actions even half-way, just because his strength and that of the resources that support are not good enough to take him to the path of success.

"Ill-deeming of their proper powers, have many monarchs striven,

And midmost of unequal conflict fallen asunder riven". (Thirukkural 473)

Meaning "Many have broken halfway just because they got into action catalyzed by their enterprise without knowing their actual strength.

#### HUMAN RELATION ATTITUDE

In trying to mobilize support for the leader should be extremely careful about the persons with whom they associate. The choice of supporters is vital for safe mobility towards the path of success. If the people who stand by the leader are not dependable, their support will always be subject to suspicion and doubt. Similarly, if the leader always suspects the association of a dependable person, he will again be in trouble because such actions will frustrate those who want to give unqualified support.

"Trust where you have not tried, doubt of a friend to feel,

Once trusted, wounds inflict that nought can heal". (Thirukkural 510)

Meaning: To be very much careful while selecting a person for association, after selecting suspecting them will create more trouble. A leader should be very careful in selecting a person as his supporters before selecting he can suspect him in all means but, after selecting it could not happen then the whole thing gets spoiled.

#### CONCLUSION

The kurals of Thiruvalluvar written several centuries before reflect concepts which are true for any time. Thus, one finds the message of Thiruvalluvar is crystal clear in respect of leadership and management concepts, even though they were authored several centuries before. No wonder, the book is considered as one of eternal value. No wonder, the book is called **"Ulagamarai"** (global scripture) and hence has been translated into almost all known languages in several countries. Many concepts used in this modern world in science and technology, management etc. are used by us in ancient days itself, many Tamil writings like Ramayanam, Mahabaratham, Silapathikaram etc. have evidence for all such things. Thirukkural is one among them having all required human skills for live, from that ocean the paper provides only few drops.

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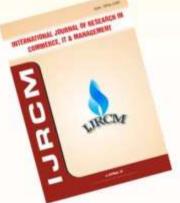
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