DonnishJournals 2041-3472

Donnish Journal of Business and Finance Management Research
Vol 1(1) pp. 001-008 April, 2015
http://www.donnishjournals.org/djbfmr

Original Research Article

The Impact of Individual Investor's Perceptions on Perceived Self Efficacy while Trading Internationally

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Accepted 2nd April, 2015.

Trends are changing and reshaping rapidly and effectively in individual and company business nationally and internationally. How to overcome financial crisis positively is a major concern? This research explains how the individual investor's insights change and constrain trading and risk enchanting behavior through the financial disaster. Examine and find how investor insights vary significantly during the crisis, with risk acceptance and risk awareness being less explosive than return outlook? During the worst months of the crisis, investors' return expectations and risk tolerance, decrease, while their risk perceptions increase. Individual investors carry on to trade actively and do not take any risk in savings portfolios during the crisis. Self usefulness pertains to optimistic thoughts to deal with the large stressors. In this way the investor can cope in all the difficulties and can solve the problems with the alternative solutions.

Statement of the Problem

Individual investors' perceptions change significantly throughout the crisis.

Research Questions

This research is conducted to find out the answer of following questions.
1. How the single investor's perceptions vary and make trading and risk taking behavior throughout the financial crisis?
2. Can all the investors solve problems they face while trading?

Purpose of the Study

Examine the investors' correlations of the points of and amendments in perceptions with the levels of self-efficacy and changes in the market and individual investor's income, while trading respectively.

Significance of the Study

This study has an optimistic emotion about my financial expectations. Small and medium organization whose capital structure is suitable for their growth so they can earn more and attract investor financing by providing high return. If a benchmark for capital structure is available, then it provides guidelines for new firm as well as existing firms to gain extra return on their capital invested.

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Objective of the Study

Objective of study is to determine the relation of individual investors' perceptions on perceived self-efficacy while trading internationally.

Research Methodology

Data was collected from the different organizations and investors investing their money in Pakistan. The survey was completed by 105 employees, 95% responses were observed. The Results were made using Correlation, regression and ANOVA with the available data.

Findings

The results showed that investors and businessmen are more interested in reducing the risks when the country is in crisis. Finding is that investor perceptions diverge significantly during the crisis, with risk acceptance and risk knowledge being less unstable than return position.

Limitations

- ***This study was conducted in twin cities of Pakistan (Rawalpindi/Islamabad) due to time and budget restraints.***
- ***Covering only financial institutes and investors.***
- ***The sample size may be on the lower side, it is possible that if there is large sample size, results would be clearer and specified.***

Future Work

This research is limited to Pakistani investors only who are trading nationally/internationally; working in Pakistani environment can make their business well by using international techniques. We can make our study more efficient if we judge and contrast with other environmental factors.

Keywords: Self efficacy, Investors, Investment, Trading.

INTRODUCTION

An investor is a person who buys relatively small lots of stocks for his or her own collection. He is also called a small investor or retail investor. This study shows the investors trade, attitude and behavior when he invests his stock in the international market. Self-efficacy is the degree or strength of one's belief in one's own capability to complete tasks and reach objectives. While the Perceived self efficacy is like people's thinking about their competencies to select levels of performance that work out, influence over events that affect their lives. Self efficacy beliefs establish how people feel, think, inspire themselves and behave. Such beliefs produce these miscellaneous effects through four major processes. They include cognitive, motivational, emotional and selection processes. The Campbell Shiller model describes the dividend price ratio to a present value of predictable future profits and outlook dividend growth rates, high prices should ultimately be followed by high future dividends, low future returns or some mixture of the two (Jiang & Lee, 2007). All the other VAR (value at risk) models use different attitudes to check the distribution of the returns (Dias, 2013). A constructive risk and return exchange is an essential rule of finance, and there is a continuing dispute about whether such a tradeoff is appropriate for company specific or individual risk (Guo & Qiu, 2014).

For continual volatility, one would expect a normal distribution for stock returns. However, as is clear, the normal distribution is not a good fit. On the other hand, the stochastic volatility model specifies that it is the ratio of stock return to volatility that should be normal (Max & Serota, 2014). A return test checks that firms in the lowest forward E/P ratio portfolio earn the lowest returns in the following two years, and a long–short investment strategy based on the forward E/P ratio creates knowingly positive abnormal returns (Wu, 2014). The number of returned products is often stochastic, demanding estimates for several application areas, such as inventory management and remanufacturing planning (Krapp, Nebel, & Ramin Sahamie, 2013). The profits are calculated in the orientation currency and in surplus of the risk free rate, which communicates to the short term deposit rate denominated in the locus money (Santis & rard, 1998).

Educated and experienced top management may have high risk tolerance level because they are self-assured of their ability to analyze the outcome of their strategic decisions (B.T, Ariffin, A.N, Saini, & W.N.W, 2013). Many variables, with resources, practice variation, and risk tolerance, need to be considered (Wiler, et al., 2009). Cost based procedures give confidence mismatched client agency values based on lack of

objectivity, risk tolerance or unfounded customer agency transforms in advertising products (Davies & Prince, 2005). Some life cycle funds focus on levels of risk tolerance, proposing conservative, moderate and aggressive portfolios (Davis, 2006).

Risk perception may vary depending on cultural, geographic, and behavioral habits. Knowledge of these population characteristics may be important when scheming educational programs for prevention (Guardia, Lopez, Salmeron, S. Pose, & Modejar, 2014). Workplace assurance and ecological righteousness issues are often focused around insights of increased risk due to unpleasant odors. Factors known to supplement risk perception comprise (Paustenbach & Gaffney, 2006). Risk perception and disease related worries may be measured through illness perceptions. The growth of interventions targeting illness perceptions may provide tools for genetic counseling (van Hulsteijn, Kaptein, Louisse, Biermasz, A. Smit, & M. Corssmit, 2014). It is argued that risk awareness is more important for behaviors that donate to the lessening of a health threat, they are less prone to external pressures, and are easier to perform than for compound behaviors such as exercise and well eating habits (Catrinel Craciun, Schuz, Lippke, & Schwarzer, 2010). Risk insight may be more easily predisposed in low versus high populations and this should be considered in the design of clinical interference and potentially mass media movements seeking to influence risk of care behavior on child health with ethnic and cultural minorities (Wagener, Busch, Dunsiger, Chiang, & Borrell, 2014). The reality is that risk perception may be powerfully inclined by the situation in which the individuals are, when they take their conclusions (Ele Cohen, Etner, & Jeleva, 2008).

Perceived self efficacy can be stated as peoples' judgments of their competencies to arrange and implement courses of action required in managing selected types of performances. It is disturbed not with the skills one has but with judgments of what one can do with the skills (Wahl, Rustoen, Hanestad, Gengedal, & Moum, 2005). Apparent self-efficacy to implement control over stressors plays a central role in anxiety stimulation (Mystakidou, Parpa, Tsilika, Galanos, & Vlahos, 2008). If the efficacy is stronger, the efforts will be more active. People often don't carry out optimally even though they know full well what to do and acquire the necessary skills to do it (Blok, Morton, Morley, Kerchoffs, Kootstra, & Van Der Vleuten, 2004). Number of studies have shown that low perceived self-efficacy and weak self-confidence are limitations to the liberation of anticipation services, such as dental screening, screening for risky health behaviors, family aggression selection, safety and family issues (Finch, Weiley, & H, 2008).

LITERATURE REVIEW

Individual investor

Mostly individual investor's EPS, reports periodically by corporations, constitute the piece of financial information mostly examined by investment proficients and individual investors equivalent (Giannetti, 2007). The noise trader model, requests that individual investor's sentimentality can have an impact on stock returns. Their findings are reliable with blast trader theory and designate that methodical trade transaction activities have incremental descriptive power for value stocks, small stocks and stocks with low institutional ownership, and stocks with lower prices. Therefore, their results support the concept that investor feeling has an important impact on stock prices (Sayim, Morris, & Rahman, 2013).

Return Expectation

Experimental research discovers that predictable excess return has a constructive relation with extra yield and book to market ratio in both cross sectional and time succession associations (Jiang & Lee, 2007). The expected return is the characteristics of the asset return sharing (Dias, 2013). Expected returns are related with revision to the instability regime and returns on total assets (Bae, Kim, & Nelson, 2007). To manage any probable effect of the level of leverage ratio on predictable returns, we execute a two measurement kind of the sample, first by the level of leverage ratio at the commencement of the previous quarter, and then by the change in leverage ratio (Cai & Zhang, 2011).

Argument of Ball's, upper risk firms with higher expected returns and lower principles, can still be useful to those variables such as size (ME), leverage, and book to market equity ratio. Because these variables such as size (ME), leverage, and book to market equity ratio, are variables that extract risk and return information from prices by scaling stock prices using different methods (Lam, 2002). To split the strong association between book-to-market and expected returns requires extra magnitudes of distinction in firm parameters that lead to distinctions more strongly in one attribute than the other. A usual candidate is a firm profitability, which will be reflected in evaluation multiples without touching asset risk exposures (Johnson, Chebonenko, Cunha, Almeida, & Spencer, 2011).

The intercept in the expected return model captures the expected underperformance of the Despotisms (Democracies) relative to the other docile portfolios (Core, Guay, & Rusticus, 2006). The evident realized asset return is collected of people's probable return, the instability feedback effect, and the shock to the benefit of market. So, the people's efficient expectations have a pressure on asset returns (Huang, 2013).

Risk Tolerance

Educated and experienced top management may have high risk tolerance level because they are confident of their ability to analyze the outcome of their strategic decisions (Matemilola, B.T, Ariffin, A.N, Saini, & W.N.W, 2013). If numerous organizations are used for adjusting global fights for local addressees, there is the probability that their risk receptions will be unequal to that of their international consumers. The central global agency that owns their restricted agencies in foreign markets can guarantee more control by coordination (Prince & Davies, 2005). The long term direction provides the constant capital required for investment in employee skills and training while the adoption of core labour values may result in greater tolerance of employee voice and illustrative structures and enhanced wages and conditions up and down supply chains (Waring, 2005). One approach to dealing with these heat related restraints is to improve wheat germ to supply higher tolerance to stresses linked with these environments (Ortiz, et al., 2008). Declines in heat and cold tolerance among the elderly can be caused by chronic health conditions and poor aerobic tolerance, rather than by increased age per se (Hajat, Vardoulakis, Heaviside, & Eggen, 2014).

Risk Perception

Individual decisions in risk taking can be busted down into groups that differ in pleasant and variables that affect risk insight and risk taking, such as consciousness and controllability (Rau, Wang, & Salvendy, 2009). Studies that are

based on the use of accurate numerical risk values are more probable to result in high levels of misclassified risk insights compared with those that use broader categories of risks, such as inferior than normal, average or high risk, maybe they are more cognitively challenging (Hopwood, 2000). Relationship between risk awareness and health under judgment of risk (Santos, Lourenço, & Rossi, 2011). In urban regions, risk perception reduced and dangerous behaviors continued or increased.

This contrasted with increased risk perception and decreased unsafe behaviors observe in rural areas (Barennes, Harimanana, Lorvongseng, Ongkhammy, & Chu, 2010). Risk perception and safety issues' was a companion to the session biological effects (Berry, 2003). Social location regulates both one's sense of efficacy, or personal ability to control, and outcome assessment of alternative risks, which can play a mediating role between risk perception and behavior (Lee, Su, & Hazard, 1998). Risk discernments were recorded for the same sets of threats, but with respect to an imagined state as if their birth schemes had not occurred and the renewal sites were still in a state of negligence or redundancy (or mostly so), creating a baseline position for the audit (Ayres & Thomas, 1998).

Perceived Self efficacy

The control value theory of achievement emotions suggests that negative emotions arise when control over success is low or uncertain and positive emotions arises when control over success is high. Thus, a first critical variable in the appraisal of fear appeals is self-efficacy (Putwain & Symes, 2014). Self efficacy is alleged to be a situational rather than a stable trait (Fisher, 2011). Self-regulation is not only directly related to supposed design success, but also indirectly, via a delicate level of self-efficacy (Beeftink, Eerde, Rutte J, & Bertrand, 2012).

Self efficacy is an examination of task necessities, e.g., an attribution analysis of past experience, the difficulty of the task; and an appraisal of the accessibility of specific resources and constraints for implementation the task (Wang & Hu, 2012). A factor that absolutely controls self-efficacy is learning by one's own knowledge (Furutani, Kobayashi, & Ura, 2009). PSE forecasts the audience of cardiac treatment, future hospitalizations, revival of function in cardiac rehabilitation and superior health position, better physical purpose and low levels of nervousness, and despair (Greco, et al., 2014). Self-efficacy appraisals reliably are influenced by contextual cues that trigger particular judgmental heuristics (Tillema, Cervone, & Scott, 2001).

Theoretical Framework (See figure 1)

Hypothesis Development

H1: There is a negative relationship between Return Expectation and General Perceived Self-efficacy (Hsu, Ju et al. 2007). Because the investor's expectation mostly depends on market forecast.

H2: There is a positive relationship between Risk Tolerance and General Perceived Self-efficacy (Krueger and Dickson 1994).

H3: There is a +ve relationship between Risk Perception and Personal and General Perceived Self-efficacy(Kallmen 2000).

Methodology

The methodology of this paper is based on the different variables. The variables use the model as previous study of fama and schewert (1977). The regression equation is used in it.

$$Y = C + \beta X1 + \beta X2 + \beta X3 + \ldots.. + \beta Xn + \mu$$

$$\mathbf{Y_{it} = \alpha_{it} +} \text{ Return Expectation }_{\mathbf{it}} \mathbf{\beta_1 +} \text{ Risk Tolerance }_{\mathbf{it}} \mathbf{\beta_2 +} \text{ Risk Perception }_{\mathbf{it}} \mathbf{\beta_3 + \mu_{it}}$$

Where ith are the consequences of banks with time period of t, α_{it} is the intercept (constant).β is the change in dependent variables with respect to change in independent variable. Where β_1, β_2, β_3 are the variables changes w.r.t time. Where μ_{it} is the random error with the change of time.
The behavioral Consequences on E-banking show the relationship among the variables.

$$\mathbf{Y}_{\text{Perceived self-efficacy}} = f \text{ (Return Expectation, Risk Tolerance, Risk Perception).}$$

Sampling size

It is difficult to explore the impact of three Vs, i.e. Return Expectation, Risk Tolerance, Risk Perception on general perceived self efficacy. Total employees surveyed are n=110 but the responses were 105. We administered our questionnaires to make the sample size more suitable to understand the effectiveness of investors and brokers. Rawalpindi/Islamabad are the selected for sample data in our research. In this paper, we used a simple random sampling technique.

General Profile of the Sample

Sample was divided into four groups, Gender, Age, Education, and Experience (n=105). Table1 shows the percentage of gender; Table 1.2 demonstrates Age with percentage, Table 1.3 describes Education and Table 1.4 shows the Experience with percentage.

ANALYSIS AND DISCUSSION

The variables are tested with Correlation Regression and ANOVA by using SPSS Version 21.0

Reliability of Measures

Table 2 shows Cronbach's alpha reliability coefficients of one dependent variable i.e. general perceived self efficacy and other three independent variables were obtained which are as follows:

- Return Expectation
- Risk Tolerance
- Risk Perception

Reliability test of all the variables shows the rate of Cronbach's Alpha used for all variables is more than 0.70, considered to be excellent for internal reliability of data. According to Gliem (2003) Range of Cronbach's alpha is between 0 and 1. In reliability test, .70 is acceptable value of alpha but .8 is expected to be a required target which shows a good consistency of internal scale of the items (Gliem, 2003).

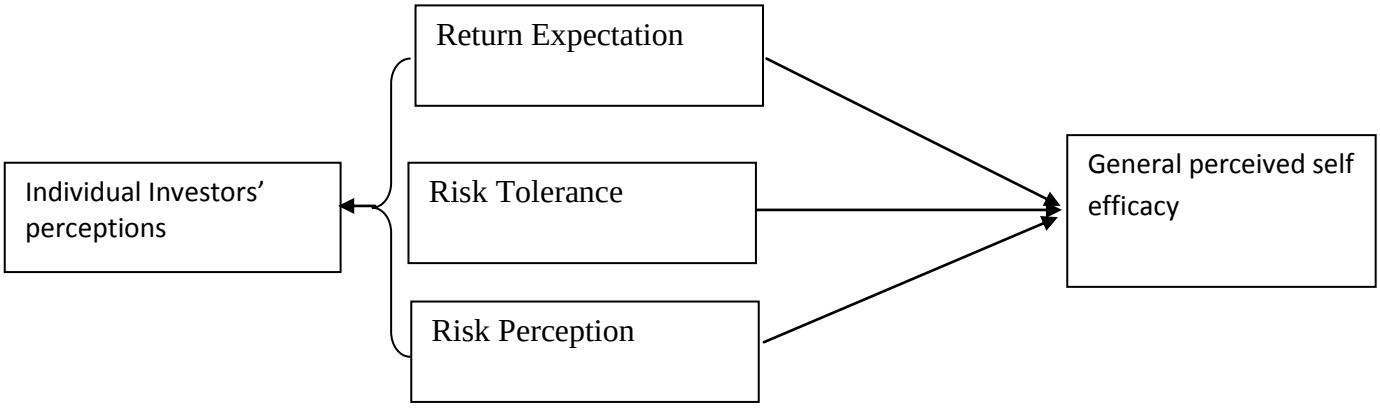

Figure 1. Theoretical Framework

Table1. Gender

		Frequcy	Percent	Valid %	Cumulate%
Valid	Fmale	23	18.4	21.9	21.9
	Male	82	65.6	78.1	100.0
	Total	105	84.0	100.0	
Misig	Systm	20	16.0		
Total		125	100.0		

Table1.2 Age

		F	Percent	Valid %	Cumulate%
Valid	20-25	5	4.0	4.8	4.8
	25-30	5	4.0	4.8	9.5
	30-40	25	20.0	23.8	33.3
	40-50	56	44.8	53.3	86.7
	50-60	14	11.2	13.3	100.0
	Total	105	84.0	100.0	
Misi..	Systm	20	16.0		
Total		125	100.0		

Table1.3 Education

		F	Percent	Valid %	Cumulate%
Valid	Matric	17	13.6	16.2	16.2
	Interme..	18	14.4	17.1	33.3
	Bachelor	57	45.6	54.3	87.6
	Master	8	6.4	7.6	95.2
	MS/PhD	5	4.0	4.8	100.0
	Total	105	84.0	100.0	
Missi.	System	20	16.0		
Total		125	100.0		

Table 1.4 Experience

		F	Percent	Valid %	Cumulate%
Valid	1-5	55	44.0	52.4	52.4
	10-15	34	27.2	32.4	84.8
	15-20	11	8.8	10.5	95.2
	20-30	5	4.0	4.8	100.0
	Total	105	84.0	100.0	
Misg.	Systm	20	16.0		
Total		125	100.0		

Table 2. Reliability Analysis

Coefficients	Cronbach's ά
RE	0.764
RT	0.692
RP	0.841

Table3. Descriptive Statistics

	N	Mini..	Maxi..	Mean	Std. Devi..
GPS	105	3.40	5.00	4.0790	.33331
RE	105	2.40	5.00	3.7276	.54991
RT	105	2.50	5.00	3.9405	.66554
RP	105	2.50	5.00	3.8738	.53047
Valid N	105				

Table4. Correlations

		GPS	RE	RT	RP
GPS	Pearson Corre..	1	.764**	.692**	.841**
	Sig. (1-tailed)		.000	.000	.000
	N	105	105	105	105
RE	Pearson Corre.	.764**	1	.908**	.931**
	Sig. (1-tailed)	.000		.000	.000
	N	105	105	105	105
RT	Pearson Corre..	.692**	.908**	1	.818**
	Sig. (1-tailed)	.000	.000		.000
	N	105	105	105	105
RP	Pearson Corre..	.841**	.931**	.818**	1
	Sig. (1-tailed)	.000	.000	.000	
	N	105	105	105	105

**. Correlation is significant at the 0.01 level (1-tailed).

Table5. Model Summary

M	R	R^2	Adjust R^2	Std.Error	Change Statistics				
					R^2	F	df1	df2	Sig.F
1	.845[a]	.715	.706	.18068	.715	84.302	3	101	.000

a. Predictors: (Constant), RP, RT, RE

Table6. ANOVA[a]

Model		SS	df	MS	F	Sig.
1	Regresion	8.257	3	2.752	84.302	.000[b]
	Residual	3.297	101	.033		
	Total	11.554	104			

a. Dependent Variable: GPS

b. Predictors: (Constant), RP, RT, RE

Table7. Coefficients[a]

Model		Unstand..Coefficients		St.Coeffi	t	Sig.
		B	Std. Error	B		
1	Constant	2.032	.131		15.557	.000
	RE	-.187	.123	-.309	-1.524	.131
	RT	.075	.064	.149	1.159	.249
	RP	.633	.093	1.007	6.812	.000

a. Dependent Variable: GPS

$Y_{it} = 2.032 - 0.187\ \beta_1 + 0.075\ \beta_2 + 0.633\ \beta_3 + \mu_{it}$

Reliability test with cronbach's alpha: The following rules of thumb for checking the Cronbach's Alpha is as follows:

If value of Cronbach's Alpha is >0.9, it is Excellent,
If > 0.8 then it is Good, if >0.7 Acceptable, >0.6 Questionable, if >0.5-Poor and
If its value is <0.5, it is considered as Unacceptable" (Joseph and Gliem, 2003).

Descriptive Statistics: Measuring Mean and Standard deviation

In descriptive statistics, means and standard deviations were inspected for dependent and independent variables. The consequences are shown in Table 3. On a 5-point scale, the Mean of General Perceived Self-efficacy is 4.0790**,** RE 3.7276, RT 3.9405 and RP is 3.8738. So, this research shows that data is more reliable and near to 4 in the scale i.e. agreed by respondents in an average. Standard deviation is below 1.0. So it shows strong impact on Performance. N=105.

Correlation

All the outcomes of Pearson correlation matrix are exposed in table 4 . GPS correlated with all the variables.

Multiple Regression Analysis

The chart 5 lists three autonomous variables which are put in the regression model and R (.845) is the positive correlation of three I.V with the D.V, inter correlations amongst these 3 sovereign variables are considered. The model summary of table 5, R Square is (.715), that is explained s^2, actual the square of the Adjusted R Square (0.706).

ANOVA

Table 6 shows the results of ANOVA. Through ANOVA table, we concluded that our model is goodness of fit because the significant value is .033, if the sig. rate is < the level of consequence (0.05) its shows, model is goodness of fit. It also shows that at least one of the coefficients is not zero**.**

Coefficients

ANOVA table tells us about the goodness of fit, but coefficient table tells individual contribution of every variable. Coefficient table shows the effect of Return Expectation, Risk Tolerance, Risk Perception on GPS. Table 7 shows the results of Coefficients.

Regression Analysis

Regression Analysis is used to estimate the fundamental relationship between independent variables, Return Expectation, Risk Tolerance, Risk Perception and on the general, perceived self efficacy. So, we can see what amount general perceived self efficacy are dependent upon independent variables and how significant they are.

In Table 5, the R-squared statistics measures success of the regression in forecasting the values of Dependent variable general perceived self efficacy with all other variables. It is the fraction of distinction in the dependent variable explained by this regression model. This model shows that R is 0.845. It shows that 83% of dependent variable is explained by its independent variables. In Table 6 the significance is not above 0.05 which proves the model used in the study is good.

CONCLUSION

Results of the study will be useful for the higher management of the organizations to understand how they can perform better to develop their business where investors can better execute for their selves and for the country. We examined and found that investor's perceptions fluctuate significantly during the crisis, with risk tolerance and risk perceptions being less volatile than return expectations. This study shows the investors effectiveness with respect to return, return expectations and risk tolerance. Investors think that such behavioral studies can easily change and can provide optimistic results for future investments.

REFERENCES

B.T, M., Ariffin, B., A.N, Saini, A., & W.N.W. (2013). *Impact of Leverage and Managerial Skills on Shareholders Return. International Conference on Economics and Business Research* 2013, 7, 103-115.

Barennes, H., Harimanana, A. N., Lorvongseng, S., Ongkhammy, S., & Chu, C. (2010). *Paradoxical risk perception and behaviours related to Avian Flu outbreak and education campaign*, Laos. Barenneset al. BMC Infectious Diseases, 10(294), 1-7.

Beeftink, F., Eerde, W. V., Rutte J, C. G., & Bertrand, W. M. (2012). *Being Successful in a Creative Profession: The Role of Innovative Cognitive Style, Self-Regulation, and Self-Efficacy*. J Bus Psychol, 27, 71-81.

Davies, M., & Prince, M. (2005). *Dynamics of trust etween clients and their advertising agencies: Advances in performance theory*. Academy of Marketing Science Review, 11, 1-35.

Davis, D. A. (2006). *Do-it-yourself retirement: Allowing employees to direct the investment of their retirement savings*. u. pa. Journal of Labor and Employment Law, 8(2), 353-386.

Huang, M. (2013). *The Role of People's Expectation in the Recent US Housing Boom and Bust*. J Real Estate Finan Econ, 46, 452-479.

Jiang, X., & Lee, B. (2007). *Stock returns, dividend yield, and book-to-market ratio*. Journal of Banking & Finance, 31, 455-475.

Lam, K. S. (2002). *The relationship between size, book-to-market equity ratio, earnings–price ratio, and return for the Hong Kong stock market*. Global Finance Journal, 13, 163-179.

Max, T., & Serota, R. (2014). *A model for stock returns and volatility*. Physica A, 398, 89-115.

Mystakidou, K., Parpa, E., Tsilika, E., Galanos, A., & Vlahos, L. (2008). *General perceived self-efficacy*: validation analysis in Greek cancer patients. Support Care Cancer, 16, 1317-1322.

Putwain, D. W., & Symes, W. (2014). *The perceived value of maths and academic self-efficacy in the appraisal of fear appeals used prior to a high-stakes test as threatening or challenging.* Soc Psychol Education, 1-20.

van Hulsteijn, L., Kaptein, A., Louisse, A., Biermasz, N., A. Smit, J., & M. Corssmit, E. (2014). *Illness perceptions, risk perception and worry in SDH mutation carriers*. Familial Cancer, 13, 83-91.

Wiler, J. L., Gentle, C., Halfpenny, J. M., Heins, A., Mehrotra, A., Mikhai, M. G., et al. (2009). *Optimizing Emergency Department Front-End Operations*. The practice of emergency medicine/concepts, 142-160.

Wu, W. (2014). *The forward E/P ratio and earnings growth.* Advances in Accounting, incorporating Advances in International Accounting, 30, 128-142.

Ayres, A. G., & Thomas, M. P. (1998). *Environmental risk perception and urban Environmental risk perception and urban*. TheEnvironmentalist, 18, 139-148.

Bae, J., Kim, C., & Nelson, C. R. (2007). *Why are stock returns and volatility negatively correlated?* Journal of Empirical Finance, 14, 41-58.

Berry, E. (2003). *Risk Perception and Safety Issues*. Journal of Biological Physics, 29, 263-267.

Blok, G., Morton, J., Morley, M., Kerchoffs, C. m., Kootstra, G., & Van Der Vleuten, C. (2004). *Requesting Organ Donation: The Case of Self-Efficacy*. Advances in Health Sciences Education, 9, 261-282.

Cai, J., & Zhang, Z. (2011). *Leverage change, debt overhang, and stock prices*. Journal of Corporate Finance, 17, 391-402.

Catrinel Craciun, C., Schuz, N., Lippke, S., & Schwarzer, R. (2010). *Risk perception moderates how intentions are translated into sunscreen use*. J Behav Med, 33, 392-398.

Core, J. E., Guay, W. R., & Rusticus, T. O. (2006). *Does Weak Governance Cause Weak Stock Returns? An Examination of Firm Operating Performance and Investors' Expectations*. The journal of finance vol. lxi, no. 2 April 2006, 61(2), 655-687.

Dias, A. (2013). *Market capitalization and Value at Risk.* Journal of Banking & Finance, 37, 5248-5260.

DiEle Cohen, M., Etner, J., & Jeleva, M. (2008). *Dynamic decision making when risk perception depends on past experience.* Theory and Decision, 64, 173-192.

Finch, S. A., Weiley, V., & H, E. (2008). *Impact Of Pediatricians' Perceived Self-Efficacy and Confidence on Violence Prevention Counseling: A National Study*. Matern Child Health J, 12, 75-82.

Fisher, Y. (2011). *The sense of self-efficacy of aspiring principals: exploration in a dynamic concept*. Soc Psychol Educ, 14, 93-117.

Furutani, K., Kobayashi, T., & Ura, M. (2009). *Effects of Internet use on self-efficacy*: perceived network-changing possibility as a mediator. AI & Soc, 23, 251-263.

Giannetti, A. (2007). *The short term predictive ability of earnings-price ratios: The recent evidence (1994–2003).* The Quarterly Review of Economics and Finance, 47 , 26-39.

Greco, A., Steca, P., Pozzi, R., Monzani, D., DAddario, M., Villan, A., et al. (2014). *Predicting Depression from Illness Severity in Cardiovascular Disease Patients: Self-efficacy Beliefs, Illness Perception, and Perceived Social Support as Mediators.* Int.J. Behav. Med, 21, 221-229.

Guardia, S. C., Lopez, F. G., Salmeron, J. M., S. Pose, I. R., & Modejar, E. F. (2014). *Trauma risk perception related to alcohol, cannabis, and cocaine. Trauma risk perception,* 1-7.

Guo, H., & Qiu, B. (2014). *Options-implied variance and future stock return.* Journal of Banking & Finance, 44, 93-113.

Hajat, S., Vardoulakis, S., Heaviside, C., & Eggen, B. (2014). *Climate change effects on human health: projections of temperature-related mortality for the UK during the 2020s, 2050s and 2080s. London, UK*: Department of Social and Environmental Health Research London School of Hygiene & Tropical Medicine, London, UK.

Hsu, M.-H., T. L. Ju, et al. (2007). *"Knowledge sharing behavior in virtual communities: The relationship between trust, self-efficacy, and outcome expectations."* International Journal of Human-Computer Studies 65(2): 153-169.

Hopwood, P. (2000). *Breast cancer risk perception: what do we know and understand? Breast Cancer* Res, 2, 387-391.

Jiang, X., & Lee, B. (2007). *Stock returns, dividend yield, and book-to-market ratio.* Journal of Banking & Finance, 31, 455-475.

Johnson, T., Chebonenko, T., Cunha, I., Almeida, F., & Spencer, X. (2011). *Endogenous leverage and expected stock returns.* Finance Research Letters, 8, 132-145.

Kallmen, H. (2000). *"Manifest anxiety, general self-efficacy and locus of control as determinants of personal and general risk perception."* Journal of risk research 3(2): 111-120.

Krueger, N. and P. R. Dickson (1994). *"How believing in ourselves increases risk taking: Perceived self-efficacy and opportunity recognition."* Decision Sciences 25(3): 385-400.

Krapp, M., Nebel, J., & Ramin Sahamie, R. (2013). Forecasting product returns in closed-loop supply chains. International Journal of Physical Distribution & Logistics Management, 43(8), 614-637.

Lee, C., Su, Y., & Hazard, B. P. (1998). *The Contingent Effects of Risk Perception on Risk-Taking Behavior:Adole scent Participative Orientation and Marijuana Use.* Journa lof Youth and Adolescence, 27(1), 17-27.

Matemilola, B.T, Ariffin, B., A.N, Saini, A., & W.N.W. (2013). *Impact of Leverage and Managerial Skills on Shareholders' Return.* Procedia Economics and Finance, 7, 103-115.

Ortiz, R., Sayre, K. D., Govaerts, B., Gupta, R., Subbarao, G., Ban, T., et al. (2008). *Climate change: Can wheat beat the heat?* Agriculture, Ecosystems and Environment, 126, 46-58.

Paustenbach, D. J., & Gaffney, S. H. (2006). *The role of odor and irritation, as well as risk perception, in the setting of occupational exposure limits.* Int Arch Occup Environ Health, 79, 339-342.

Prince, M., & Davies, M. (2005). *Dynamics of trust between clients and their advertising agencies: advances in performance theory.* Academy of Marketing Science Review, 11, 1-35.

Rau, P. L., Wang, P., & Salvendy, G. (2009). *A Survey Study of Chinese Drivers' Inconsistent Risk Perception.* Engin. Psychol. and Cog. Ergonomics, 471-476.

Santis, G. D., & rard, B. G. (1998). *How big is the premium for currency risk?* Journal of Financial Economics, 49, 375-412.

Santos, E. M., Lourenço, M. T., & Rossi, B. M. (2011). *Risk perception among Brazilian individuals with high risk for colorectal cancer and colonoscopy.* Santoset al. Hereditary Cancer in Clinical Practice, 9(4), 1-6.

Sayim, M., Morris, P. D., & Rahman, H. (2013). *The effect of US individual investor sentiment on industry-specific stock returns and volatility.* Review of Behavioral Finance, 5(1), 58-76.

Tillema, J. L., Cervone, D., & Scott, W. D. (2001). *Negative Mood, Perceived Self-Efficacy, and Personal Standards in Dysphoria: The Effects of Contextual Cues on Self-Defeating Patterns of Cognition.* Cognitive Therapy and Research, 25(5), 535–549.

Wagener, T. L., Busch, A. M., Dunsiger, S. I., Chiang, K. S., & Borrell, B. (2014). *Changes in risk perception following a smoking cessation intervention: the role of acculturation in a sample of Latino caregivers.* J Behav Med, 1-9.

Wahl, A. K., Rustoen, T., Hanestad, B. R., Gengedal, E., & Moum, T. (2005). *Self-efficacy, pulmonary function, perceived health and global quality of life of cystic fibrosis patients.* Social Indicators Research, 72, 239-261.

Wang, M., & Hu, X. (2012). *Agent-based modeling and simulation of community collective efficacy.* Comput Math Organ Theory, 18, 463-487.

Wang, P., Rau, P. P., & Salvendy, G. (2009). *A Survey Study of Chinese Drivers' Inconsistent Risk Perception.* Engin. Psychol. and Cog. Ergonomics, 471-476.

Waring, P. (2005). *Institutional Investors and Contemporary Corporate Governance: Prospects for Enhanced Protection of Employee Interests in Liberal Market Economies.* Conference of the International Working Party on Segmentation Theory on 'The Dynamics of National Models of Employment' (pp. 1-20). Berlin, Germany: University of Newcastle Australia.