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Behavioral Finance: A Study of Correlation Between Personality Traits with the Investment Patterns in the Stock Market

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Abstract

Conventional theories are based on the assumption that investors are rational beings. All their decisions are logical and judgments fair and rational. Based on this assumption, they have derived all their financial models. The capital asset pricing model assumes that investors are rational beings and they have the same expectations. This assumption contradicts behavioral theories, which assume that investors under uncertainty behave in a not-so-rational or irrational manner. The phenomenon of behavioral finance was noticed post-2000, when IT bubble was

built up and finally busted. During this time period, investors showed herd mentality, and they preferably invested in companies having ".com" attached to them. The market prices of IT companies rose much above their intrinsic value or fair value. It also happened in the subprime crisis when real estate prices in the USA started rising much above their fair value. After a certain time period, the bubble collapsed leading to the fall of stock prices, wiping off the hard-earned money of investors. The history of irrational behavior can be traced to the sixteenth century in Holland. The tulip bulbs were imported to Holland from Constantinople. These bulbs became very popular with Dutch elite class. Trading of these bulbs started on major stock exchanges in Europe. The prices rose to great heights and people started trading in bulbs in a big way. After a certain time period, people started selling these bulbs and the prices began falling. People started defaulting on their tulip contracts. This bubble finally collapsed leading to huge losses. Therefore, it was realized that there was something which these conventional models were unable to explain. These softer issues were never addressed and recognized by traditional theorist before. It was Kahnman and Smith who for the first time brought insights from behavioral sciences into the field of finance and economics. They stated that under uncertainty investors do not behave ideally but rather behave normally. The present paper describes the relationship between personality traits and investment pattern of investors. A survey of about 100 investors, who have invested in the stock market, has been conducted. The investors have been classified into various demographic profiles such as gender, age group, income level, number of dependents, profession, and marital status. The data for the study has been collected from both primary and secondary sources. Convenience sampling method is used to select the sample of 100 investors. The Big Five personality test has been incorporated to assess the personality of investors, and its correlation with their investment behavior is being evaluated in the study using various statistical tools. The paper attempts to rate the personality of investors on parameters such as extraversion, agreeableness, conscientiousness, neuroticism, and openness. The study relates the personality of investors with stock market investment, type, objective, factors influencing the investments, and so on. The findings can be useful for portfolio managers, fund managers, and wealth managers to understand the mindset and behavior of their clients. This will facilitate them to construct a portfolio which may be less than optimal and which can be adhered to by the advisor and the client amicably. This

is especially significant in the context of managing portfolios in these recovering markets post-recession which the global economies have witnessed in recent times. The concept of behavioral finance is one such emerging area which if incorporated well in the hard-core finance, based on fundamentals, can yield dividends for portfolio managers and equity analyst and also on the wealth generation of the overall economies emerging in the aftermath of the recession.

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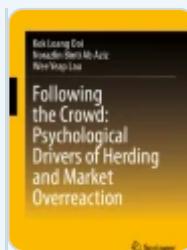
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References

Bailard B, Kaiser. Personal money management

[Google Scholar](#)

Barber B, Terrance Odean T (2001) Boys will be boys: gender, overconfidence and common stock investment. *Q J Econ* 116(1):261-292

[Article](#) [Google Scholar](#)

Buss DM (1996) Social adaptation and five major factors of personality. In: Wiggins JS (ed) *The five factor model of personality, theoretical perspectives*. Guilford, New York, pp 108-207

[Google Scholar](#)

Costa PT, McCrae RR (1985) As cited in John OP, Donahue EM, Kentle RL (1991) *The big five inventory - versions 4a and 54, manual*, Institute of Personality and Social Research. University of California, Berkeley

[Google Scholar](#)

Costa PT Jr, McCrae RR (1985-1987) As cited in John OP, Donahue EM, Kentle RL (1991) *The big five inventory - versions 4a and 54, manual*, Institute of Personality and Social Research, University of California, Berkeley

[Google Scholar](#)

Costa PT Jr, McCrae RR (1985-1992) As cited in John OP, Donahue EM, Kentle RL (1991) *The big five inventory - versions 4a and 54, manual*, Institute of Personality and Social Research, University of California, Berkeley

[Google Scholar](#)

Costa PT Jr, McCrae RR (1988) From catalog to classification: Murray's needs and the five-factor model. *J Pers Soc Psychol* 55:258-265

[Article](#) [Google Scholar](#)

Costa PT Jr, McCrae RR (1992) Neo PI-R professional manual 10. Psychological Assessment Recourses, Inc., Odessa

[Google Scholar](#)

Costa PT Jr, McCrae RR (1994) As cited in John OP, Donahue EM, Kentle RL (1991) The big five inventory - versions 4a and 54, manual, Institute of Personality and Social Research, University of California, Berkeley

[Google Scholar](#)

Costa PT Jr, Terracciano A, McCrae RR (2001a) Gender differences in personality traits across cultures: robust and surprising findings. *J Pers Soc Psychol* 81(2):322-331

[Article](#) [Google Scholar](#)

Costa PT et al (2001) As cited in Zentner M, Rebecca LS (eds) (2012) Handbook of temperament. The Guilford Press. A Division of Guilford Publications, Inc, New York

[Google Scholar](#)

Digman JR (1990) An alternative description of personality; the big five factor structure. *J Pers Soc Psychol* 59:1216-1229

[Article](#) [Google Scholar](#)

Duval TS, Silvia PJ (2002) Self-awareness, probability of improvement, and the self-serving bias. *J Pers Soc Psychol* 82:49-61

Ewen RB (1998) Personality: a topical approach. Erlbaum, Mahwah

[Google Scholar](#)

Fabozzi FJ (2008) The handbook of finance, vol 2, Investment management and financial management. Wiley, London

[Book](#) [Google Scholar](#)

Festinger L (1957) A theory of cognitive dissonance. Stanford University Press, Stanford

[Google Scholar](#)

Fiske DW (1948) Consistency of the factorial structures of personality ratings from different sources. J Abnorm Soc Psychol 44:329-344

[Article](#) [Google Scholar](#)

Goldberg, Chock, Comrey, Digman (1981) As cited in John OP, Donahue EM, Kentle RL (1991) The big five inventory – versions 4a and 54, manual, Institute of Personality and Social Research, University of California, Berkeley

[Google Scholar](#)

Graham B (1973) The intelligent investor. McGraw Hill, New York

[Google Scholar](#)

Inman JJ, Zeelenberg M (2002) Regret repeat versus switch decisions: the attenuation role of decision justifiability. J Consum Res 29:116-128

[Article](#) [Google Scholar](#)

John OP (1990) The big five factor taxonomy; dimensions of personality in the natural language and in questionnaires. In: Pevlin LA (ed) *Handbook of personality theory and research*. Guilford, New York, pp 66–100

[Google Scholar](#)

Kahneman D, Taversky A (1979) Prospect theory: an analysis of decision under Risk. *Econometrica* 47:263–291

[Article](#) [Google Scholar](#)

Loehlin JC (1992) Genes and environment in personality development. C.A. Sage, Newberry Park

[Google Scholar](#)

Mahajan J (1992) The overconfidence effect in marketing management predictions. *J Mark Res* 29(3):329–342

[Article](#) [Google Scholar](#)

McCrae R (1987) Creativity, divergent thinking and openness to experience. *J Pers Soc Psychol* 52:1258–1265

[Article](#) [Google Scholar](#)

McCrae R (1989) As cited in Shukla P, Pradhan M (2011) Modifying risk taking behaviour to prevent HIV, Ph.D thesis, Department of Psychology, University of Lucknow

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McCrae RR, Costa PT Jr (1990) As cited in Shukla P, Pradhan M (2011) Modifying risk taking behaviour to prevent HIV, Ph.D thesis, Department of Psychology, University of Lucknow

[Google Scholar](#)

McCrae RR, Costa PT Jr (1997) Personality trait structure as a human universal. Am Psychol 52:509-516

[Article](#) [Google Scholar](#)

McCrae RR, Costa PT Jr (1999) A five-factor theory of personality. As cited in Pervin LA, John OP (eds) Handbook of personality: theory and research. Guilford Press, New York, pp 139-153

[Google Scholar](#)

McCrae RR, Costa PT Jr (2003) As cited in Shukla P, Pradhan M (2011) Modifying risk taking behaviour to prevent HIV, Ph.D thesis, Department of Psychology, University of Lucknow

[Google Scholar](#)

McCrae RR, Costa PT Jr, Pedroso de Lima M, Simoes A, Ostendorf F, Angleitner A, Marusic I, Bratko D (1999) Age differences in personality across the adult life span: parallels in five cultures. Dev Psychol 35(2):466-477

[Article](#) [Google Scholar](#)

McCrae RR et al (2000) As cited in Shukla, Priyanka Pradhan, Madhurima (2011) Modifying risk taking behaviour to prevent HIV, Ph.D. Thesis, Department of Psychology, University of Lucknow

[Google Scholar](#)

McCrae RR, Jang KL, Livesley WJ, Riemann R, Angleitner A (2001) Sources of structure: genetic environmental, and Arti-factual influences on the Co-variation of personality traits. *J Pers* 69:511–535

[Article](#) [Google Scholar](#)

McCrae, R.R., & Costa, P.T. Jr. (2003) As cited in Shukla, Priyanka. & Pradhan, Madhurima. (2011). Modifying Risk Taking Behaviour to Prevent HIV, Ph.D Thesis, Department of Psychology, University of Lucknow.

[Google Scholar](#)

McCrae RR, Costa PT Jr. (2008) Empirical and theoretical status of the five-factor model of personality traits. In: Boyal GJ, Matthews G, Saklofske DH (eds) *The sage handbook of personality theory and assessment: personality theories and models*, vol 1. Sage, Thousand Oaks, pp 73–294

[Google Scholar](#)

Miller D, Ross M (1975) Self-serving biases in the attribution of causality: fact or fiction? *Psychol Bull* 82:213–225

[Article](#) [Google Scholar](#)

Mills JA (1999) *A history of behavioral psychology*. New York University Press, New York

[Google Scholar](#)

Odean T (1999) Do investors trade too much? *Am Econ Rev* 89(5):1279–1298

[Article](#) [Google Scholar](#)

Pervin LA, John OP (1997) *Handbook of personality, theory and research*. Guilford, New York, pp 66–100

Pompian M (2006) Behavioral finance and wealth management. Wiley

[Google Scholar](#)

Riccardi V, Simon HK (2000) What is behavioral finance? *Bus Educ Technol J* (Fall):1–8

[Google Scholar](#)

Ross SA et al (2004) Corporate finance, 7th edn. McGrawHill Publication, New York

[Google Scholar](#)

Selden G (1912) Psychology of stock market: human impulses lead to speculative disasters. Ticker Publishing Company, New York

[Google Scholar](#)

Shefrin H (2002) Beyond greed and fear: understanding behavioral finance and the psychology of investing. Oxford University Press, Oxford

[Book](#) [Google Scholar](#)

Shefrin H, Statman M (1985) The disposition to sell winners too early and ride losers too long: theory and evidence. *J Financ* 40:777–790

[Article](#) [Google Scholar](#)

Shukla P, Pradhan M (2011) Modifying risk taking behaviour to prevent HIV. Ph.D thesis, Department of Psychology, University of Lucknow

[Google Scholar](#)

Soldz S, Vaillant GE (1999) The big five personality traits and the life course; a 45 year longitudinal study. *J Res Personal* 33:206-232

[Article](#) [Google Scholar](#)

Statman M (1999) Behavioral finance: past battles, future engagements. *Fin Anal J* 55(6):18-27

[Article](#) [Google Scholar](#)

Statman M (2008) Countries and culture in behavioral finance. *CFA Institute Conference Proceedings Quarterly* 25(3)

[Google Scholar](#)

Stephen AR (1987) The interrelations of finance and economics: theoretical perspectives. *Am Econ Rev* 77(2):29-34

[Google Scholar](#)

Taversky A, Kahneman D (1974) Judgment under uncertainty: heuristics and biases. *Science* 185:1124-1131

[Article](#) [Google Scholar](#)

Victor R, Simon Helen K (2000) What is behavioral finance. *Bus Educ Technol J* 2(2):1-9

[Google Scholar](#)

Zeelenberg M et al (1996) Consequences of regret aversion: effects of expected feedback on risky decision making. *Organ Behav Hum Decis Process* 65:145-158

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Zeelenberg M, Beattie J (1997) Consequences of regret aversion 2: additional evidence for effects of feedback on decision making. *Organ Behav Hum Decis Processes* 67:63–78

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Zuckerman M (1979) Attribution of success and failure revisited, or: the motivational bias is alive and well in attribution theory. *J Pers* 47:245–287

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