Self-control & Saving Habits

Muhammad Awais[1]

Abstract- **The principal purpose behind this study was to investigate the effect of the variables "analyzing ability & age level" which incapacitates the sparing propensity of a singular and "current circumstances" which has a fragile acquaintanceship with sparing propensity of individuals. A self-made survey was used with the final objective of data gathering. Population for this examination was the individuals with medium level of wages and with the age furthest reaches of 40-55 from diverse associations of Pakistan. The assembled data was analyzed with the support of clear dismemberment, correlation examination, and the direct regression technique similarly. The finish of this study shows that the self-control bias may impact the sparing propensity of individuals.**

Index Terms - **Analyzing Ability, Current Circumstances, Age Level, Self-control**

I. INTRODUCTION

The human emotion is a very important variable at the time of making any sort of decision. Mainly, it is the aptitude to manage one's affections, attitude, and ambitions so as to attain some recompense, or keep away from some penalty. It is generally the process of taking an action to rebuffing yourself. It is generally the superiority that permits you in order to discontinue yourself by performing the actions that you would like to execute but such might be unsuitable for you.

Self-control is basically the conflict that exists among the desires of the people and the achievement of those desires. There are very much different styles of people exist in this world. Rarely, in this world, the thinking and perception styles of two individuals are same. Some people want to enjoy the current life and they spend as much as they can for this, some people want to live a simple and happy life and for this they manage all of their time and resources very carefully, and some other people in the world who want to just save money today as much as they can for their bright future. (Cowen, 1991) finishes that people can't achieve their goals in a right way as they want until they manage all of their areas; education, sports, family, job and any other in a well-planned manner. Self-management is the necessity to reach their destination. From the perspective of the

investor, the interest rate is main factor that affects the rate of savings. When the interest rate would increase the rate of savings would also increase and vice versa. (Maddison, 1992) stipulates that there is a strong direct relationship exists among rate of savings and the interest rate fluctuations.

Some of the people want to save their money today for the purpose of investing after the retirement in to make their future bright and wealthy. In the context of Pakistan, majority of the investors want to sharply diversify their portfolio in order to get positive returns, and they also want to invest in foreign stock because of the instability of Pakistan's economy and also they see the optimistic view toward the investment in foreign stock because of their stability. Basically, most of the times in the market people seem to be biased toward the economic activities of Pakistan as well as Asian economy as a whole. (Duru & Reeb, 2002) bring to a close that because of low/weak forecasting ability, people can make a biased decision toward the investment in home country and think just optimistically toward the foreign portfolio. Sometime, people can judge the income fluctuation of the other on the basis of their saving and consumption behavior because most of the people change their level of saving but not the consumption by changing their level of income. (Hebbel, Serven, & Solimano, 1996), indicate that by increase in the level of income, most of the time rational people also increase their level of saving in order to make their future bright. Majority of people in the world, want to invest in the secure places where they see higher the return and lower the risk or where they get more benefit as compare to its cost. (Wray, 1991) declares that the most important ways to promote the investor towards the investment are: to get better the importance, quality and performance of the good and reduce the on the whole cost as well for the sake of attraction.

Normally, the saving behavior of the people is depends upon their current income and their current level of consumption. This whole study is based on the concept of "life-cycle model". On the basis of this model, some question may arise that: how people can efficiently manage their time and resources? How

people can competently achieve their goals? How people build-up their path toward their destiny in a right way? How people find-out the right dimensions for the goals? What steps, skills, and resources are needed to make a resourceful plan? (Browning & Lusardi, 1996) terminate that at the time of making the plans and taking the decisions some of the psychological factors can influence the human tendency at that time. Most of the time in this world, people don't want to consume anything or invest anywhere when there is no consistency in the environment. People want to consume as well as invest in a stable and relax environment. (Loayza, Schmidt-Hebbel & Serven, 2000) point out that throughout the surroundings of improbability people wants to save more and more for their future in order to be bright.

For the reason that the attendance of this biased behavior, an individual; lose their ability to make efficient plans for the future, cannot manage their resources in an efficient way, cannot analyze the environment in the light of basic financial guidelines, cannot find-out their right ways to reach their destiny/achieve their goals. Because of this; the problems of poverty can increase, Asian economy lose their investors, and money circulation can be affected and different areas of life - education, health, safety, resource allocation…etc. - can also be affected because of poor planning and management.

The central intention of this study is to discover as well as examine the effect of non-rational saving behavior on the overall economy and the level of poverty in the country as well, to investigate the behavior of individuals of different income levels, to evaluate the people perceptions toward different environments, and to study the effect of education and experience level on decision making.

We can find-out the factors on the basis of this study that can be the cause for economic devaluation and the poverty in the country as well. It would be very obliging for the people who want to make their future brilliant by making rational decisions through unlike cooperative methods in so many different ways. It would also be very accommodating for lessening in the deficiency level and for the economic constancy as well.

II.   LITERATURE REVIEW

The "consumption function theory" was initially proposed by *Milton Friedman* in 1957, which states that the changes in the fixed amount of income which an individual receive after a fixed amount of time can

change the human's decision regarding the savings and the consumption.

The expectations of the individuals toward the sound consumption and saving are high in the good financial year. (Burch & Werneke, 1975) conclude that during the time of poor financial year the expectations of the individuals are low because they don't meet their standards at that time. There is a strong association exist among the consumption capacity and the level of income. There are some specific factors exist, that affect the variability of savings and consumption level, like: financial soundness of the family, the age group of the members of the family, and the interest rate in the market. (Thaler, 1990) mentions that the undeviating income and the level of expenditure are highly allied with each other.

Most of the time in this world, majority of the people can save more and more from their income when per capita income would be high. Sometime in this world, people can also save with low per capita by consuming a low amount and make a rational decision of saving toward their future. (Rao, 2001) concludes that in the majority of cases there is a directly proportional relationship exists among savings and per capita income of the people. Generally, rational people in the world live in a reasonable and rich manner after their retirement. Rational people make proper decisions according to the circumstance all the time in order to face hazards in all corners of life. (Bernheim & Scholz, 1993) bring to a close that the living standard of low income people can also maintain after the retirement by offering them pension plans.

Most of the time in this world, people think that they are completely cognitive and make an uncontaminated balanced decisions on the basis of their own in all the situations, but almost it cannot be the case. (Trout, 2005) terminates that individually make a decision all the time can be harmful in so many situations because most of the time a lot of environmental factors can be very important to consider in order making an efficient decisions. The saving and spending habits of the people depends on their way of thinking, perception style, analyzing power, decision making skills, and their own behavior. Rational people increase or decrease their level of saving and consumption on the basis of their change in income level. The decision making power in people make their level of living up and down; usually optimistic people make plans and take decisions earlier as pessimistic people. According to Kwass (2005) that people with bright and pessimistic

approaches are less dependent on the environment or any other person.

Most of the people in this world especially in Pakistan don't implement their plans in an efficient way because of their low decision making ability. (Rabinovich & Webley, 2007) mention that different types of people; married, unmarried, student, employee, & businessman think about savings in different manners. The statement of Rabinovich & Webley, 2007 resemble with a concept of prospect theory in some sense because according to the prospect theory of Kahneman; all of the people see the level of risk among various alternatives in a different manner. But all of people should be focus on savings in order to improve their living standards. Most of the time, people in this world can't change their behavior or don't want to change their behavior and because of this weak ability of change in human behavior, people generally lose so much bright opportunities. (Oaten & Cheng, 2007) suggest that all of the people must exercise their ability to control the level of financial consumption in order to be more realistic and rational in nature. In general, rational people almost make cognitive decisions regarding financial consumption for the purpose of meeting their financial goals in an efficient way. The approach regarding financial savings can vary from person to person. As a general rule, people change their level of consumption with their level of income, but highly rational people change their level of savings with the change in their income level. Each and every individual has different approaches of saving at different times, like; during student life, at initial stage of the job, at the time of job maturity, and near to the time of retirement. (Fisher & Montalto, 2010) conclude that most of the people think rationally toward the financial saving near to the time of retirement. They think at at that moment just because of low amount of available alternatives or the situation of coercion in the market.

Psychologically, when we think about the saving, it is generally a logical decision making approach. Saving decisions help people to make their future wealthier. Rational people in general; focus on their reserves in order to build-up for facing future uncertainties, thinking more and more about future fluctuations that can be expected, making plans for earning more and more for their future, wants to improve their standard of living, and wants to become an entrepreneur rather than an executive employee. (Canova, Rattazzi, & Webley, 2005) state that saving habit is basically the wealthiest exercise for people's future and they must focus on their

future in order to make plans regarding consequences.

(Loibl, Kraybill, and DeMay, 2011) wind up that an individual who is habitual in saving their money can easily maintain their level of financial strength. Savings are very much essential to live a healthy life and it can be used for the purpose of defense during poor economic conditions.

A. Hypotheses

H1: Good analyzing ability increases the self-control habit of individuals.

H2: Current circumstances influence self-control habit of individuals.

H3: Matured individuals normally think about the reserve funds for their future.

III.   DATA & METHODOLOGY

By the purpose of gathering the data for study, you must now about the area of the data gathering, the appropriate size of the sample, and the accurate of characteristics of your data that you want to collect. (Winship & Mare, 1992) bring to a close that the biased and inappropriate assortment of the sample may lead to poor outcomes.

This study is concerning the self-control and saving habits in the perspective of increasing poverty level and poor economic conditions of the country, so we capture "saving habit" as a reliant & "analyzing ability, current circumstances, and age level" as autonomous variables.

In this study, the self-developed questionnaire is used which was prepared on the basis of confirmatory factor analysis. For this study, various factors were captured from various studies toward selected variables. About self-control (Loayza, Schmidt-Hebbel & Serven, 2000; Oaten & Cheng, 2007; Fisher & Montalto, 2010; Canova, Rattazzi, & Webley, 2005), analyzing ability (Duru & Reeb, 2002; Browning & Lusardi, 1996), current circumstances (Cowen, 1990; Trout, 2005; Rabinovich & Webley, 2007), and age level (Bernheim & Scholz, 1993)

In research, various researchers used diversified techniques: consistency, significance, norm, mode, and variation for the purpose of numerical measurability.

Several researchers have used the regression model which was originally planned by "Sir Francis Galton", who was on the whole the creator of arithmetical techniques, the uniform regression term is:

$$\tilde{Y} = \beta_0 + \beta_1 (AA) + \beta_2 (CS) + \beta_3 (AL) + \varepsilon \qquad \text{Eq. (1)}$$

Approximately, 80 questionnaires were distributed to the employee with the age level of 40-55. And with the help of 48 feedback forms, we take primary information, and based on such collected information we can make out that how the self-control manners of persons can be the reason for saving habits. The perception of feedback form was first initiated by "Sir Francis Galton" for the rationale of the compilation of main figures.

The feedback forms were filled by unrelated people from various government and private offices. The reply rate of the feedback form was in fact 60% just about.

IV.   RESULTS

At first, we are measuring the enduring nature of this information with a specific end goal to demand that either this information is essential for our trappings or not. Fundamentally, the immovable quality or reliability test shows that what measure of this information is predictable over the time period. The aftereffect of reliability test shows that the "alpha" of SC is .506, AA is .414, CS is .700, & AL is .533 which exhibits that the variables SC & AL are despondently strong over the time of time, although CS is solid enough and AA is beneath normal because the ordinary incredible measure might generally oblige the worth of reliability is more than ".6".

Table I

Reliability Analysis

Variables	Reliability
Self-control	0.506*
Analyzing Ability	0.414
Current Circumstances	0.700**
Age Level	0.533*

Note. *p>.5, **p>.7, ***p>.9

A.   Correlation Analysis

The table: 2 below exhibit to the completions of relationship. The correlation coefficient around "self-control & analyzing ability" is .236, the compass of the acquaintanceship around both variables is somewhat powerless and they are likewise noteworthy at marginally feeble level (.106) at p<.11 at 89% confidence interval. The correlation coefficient around "self-control & current circumstances" is .037, the level of association around both variables is low and they are moreover immaterial at level (.801) at p<.81 at 19% certainty interim. The correlation coefficient around "self-control & age level" is .277, the level of connotation around both variables is low and they are noteworthy at level (.057) at p<.06 at 94% confidence interval.

We can finish up from such examination that there exists a low significant and positive relationship exist between "self-control & analyzing ability", and there exist an insignificant relationship between "self-control & current circumstances", and finally there exists a vital and positive relationship exist between "self-control & age level".

Table II

Correlation Analysis

	SC	AA	CC	AL
SC Pearson Correlation Sig. (2-tailed) N	1 48	0.236 0.106 48	0.037 0.801 48	0.277 0.057 48
AA Pearson Correlation Sig. (2-tailed) N	0.236 0.106 48	1 48	0.254 0.082 48	0.283 0.052 48
CC Pearson Correlation Sig. (2-tailed) N	0.037 0.801 48	0.254 0.082 48	1 48	0.017 0.909 48
AL Pearson Correlation Sig. (2-tailed) N	0.277 0.057 48	0.283 0.052 48	0.017 0.909 48	1 48

**. Correlation is significant at the 0.01 level (2-tailed).

B.   Regression Analysis

It is utilized to portray the effect of singular's dissecting capability, age level, and current

circumstances on the discretion propensity of people. We joined an agreeable relapse strategy to recognize the general effect of singular's examining capability, age level, and current circumstances on the restraint propensity of people which prompts encircled/predisposition guide on the scholar's investment funds capability.

Simple regression

The table: 3 underneath shows the finishes of regression investigation. The vital quality concerning hugeness of this model is F-statistics. The quality of F-stats is .334 which is significant at low level (.154) at p<.16 at 84% confidence interval. The value of R-square is 0.111 which depicts the expressive force of proposed variables. Along these lines 11.1% variation in the financier's choice making limit is interminably delineated by these variables.

Table III

Regression Statistics

Variables	Values
Multiple R	0.334
R-Square	0.111
Adjusted R-Square	0.051
Standard Error	0.65384
Observations	48
F	1.838
Significance F	0.154

The coefficient of regression for analyzing ability is .151 and it is significant at low level (.108) at p<.11 at 89%. We can decipher this worth the degree that probability of the single person to settle on less encircled/predisposition choices due to proficient examining force. By keeping all the proposed variables predictable, the magnates whose investigating force is solid are 15.1% less unwilling to settle on adroit choice. Henceforth, the first hypothesis of this examination that "good analyzing ability increases the self-control habit of individuals" is overseen by these outcomes.

The coefficient of regression for current circumstances is -.070 and it is irrelevant at level (.540) at p<.6 at 46%. Along these lines, the effects of the worth of this variable show that such variable have a practically staggeringly unassuming or no effect on the scholar's sparing propensity. Consequently, the second hypothesis of this examination that "current circumstances influence self-control habit of individuals" is rejected on the

basis of these outcomes, in light of the way that this variable is irrelevant and shows a basically just about no effect on the scholar's sparing propensity.

The coefficient of regression for age level is .188 and it is significant at low level (.144) at p<.15 at 85%. We will consider this variable as noteworthy variable on the groundwork of the solid theoretical confirmations. We can decipher this worth the degree that probability of the single person to settle on less encircled/inclined choices on account of upper age level. By keeping all the proposed variables steady, the magnates whose age is over 45-50 are 18.8% less opposed to settle on insightful choice. Henceforth, the third hypothesis of this examination that "matured individuals normally think about the reserve funds for their future" is overseen by these effects.

Table IV

Regression Results

Variables	β	SE β	t-stat	P-Value
Intercept	2.569	0.492	5.227	0.000***
Analyzing Ability	.151	0.118	1.279	0.108
Current Circumstances	-0.070	0.114	0.617	0.540
Age Level	0.188	0.125	1.501	0.141

*Note. *p<.09, **p<.05, ***p<.01*

C. Descriptive Analysis

The effects of table: 5 show that all these variables with the exception of "current circumstances" are indicating the effects of acknowledgement towards inclination choice making. Since, as communicated by the likert scale of 5, we can translate that the worth <1 show a firmly restrict conduct, the quality >1 however <2 show a difference lead, the worth >2 but<3 show a reasonable immediate, the quality >3 but<4 show a concur conduct, and the quality >4 but<5 show an unequivocally concur conduct.

Table V
Descriptive Analysis

Variables	Average
Self-control	3.4583
Analyzing Ability	3.1875
Current Circumstances	2.3021
Age Level	3.0313

The results of the above table show that majority of the people have the sense of management and they can manage their resources for the purpose of savings. The analyzing power of majority of people is good and they can make rational decisions after the careful analysis of the environment. Regarding the environment, most of the people has diverse views but majority of people can't save their money in any sort of uncertain environment. At last, people are usually more conscious near to the age of retirement in order to save money for their future.

V.   CONCLUSION

People usually can't control their way of consumption according to their circumstances because they are biased toward their ability of self-control. (Rabinovich & Webley, 2007) conclude that people who are habitually self-control can manage their consumption level and resources in an efficient way.

The variable "analyzing ability" offers a low significant relationship with self-control practice of the people. The results show that increasing the analyzing ability of the people would also increase the saving practice of the people. By increasing the 1 unit of analyzing ability would increase the .151 unit of saving practice of an individual. The variable "current circumstances" offers an insignificant relationship with self-control practice of the people. The variable "age level" offers a low significant relationship with self-control practice of the people. The results show that increasing the age level of the people would also increase the saving practice of the people. By increasing the 1 unit of age level would increase the .188 unit of saving practice of an individual.

A.   Impairments and Future Suggestions

That examination appeared to be basically limited to have the capacity to only three proposed variables (analyzing ability, current circumstances, age level) despite the fact that there are a great deal of some different variables that can also influence the self-control habit of the individuals.

We only check-out the specific oversees of these proposed variables (analyzing ability, current circumstances, and age level) that affect the saving habit of the people. Whereas, there are a lot of other variable that can also be the cause for biased decision making toward consumption and saving.

We floated approximately 80 questionnaires to people with medium level of salaries because these

are only the people who want to or can save some of their money for their future. As far as rich people concern, they can save money usually in each and every situation but on the other hand, poor people cannot manage their necessities in life.

VI.   REFERENCES

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AUTHOR:

Muhammad Awais[1] Lecturer (Finance), Foundation University Islamabad, Rawalpindi Campus (FURC), Pakistan m.awais@fui.edu.pk