Comparative Analysis of Entrepreneurial Characteristics of Large, Medium, Small and Micro Scale Businesses in Sri Lanka

Entrepreneurial Characteristics

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Abstract

There are many studies carried out in many countries about entrepreneurial characteristics over a long period of time. However, there is no consensus among the scholars on a common set of characteristics of successful entrepreneurs in the world. Therefore, in this study it is expected to explore common characteristics that may affect entrepreneurial success. In this study, thirty-one characteristics were taken from literature and they were investigated through 121 entrepreneurs who are into micro, small, medium and large-scale businesses in Sri Lanka. In the hundred and twenty-one sample the entrepreneurs are from micro, small, medium and large. Almost all seminal articles related to entrepreneurial characteristics and traits were taken into consideration in doing the literature survey. The questionnaire of this research has been developed by taking pretested questionnaires on the same phenomenon and a few questions were developed by the researcher. Some modifications were done to the questions in the questionnaire before administering it to the Sri Lankan context. There was more than one question asked in the questionnaire to test one variable. A reliability test had been carried out to see the internal consistency among them and Cronbach's Alpha value was calculated for each variable separately. At the end of the research, it is expected to have two outcomes. They are: first, to see the common list of characteristics which are needed for entrepreneurs to be successful and second; to see the characteristics which are important for micro, small, medium and largescale businesses to be successful. In deriving the previously mentioned outcomes two types of analytical tools were used. They are: first, to see the common list of characteristics which are needed for entrepreneurs to be successful, One-Way ANOVA technique has been used and second; to see the characteristics which are important for micro, small, medium and large-scale businesses to be successful, descriptive statistics (mean values) were used. Finally, it was found that there are many characteristics which affect the success of entrepreneurs out of the thirtyone characteristics taken for investigation and also different characteristics affect micro, small, medium and large-scale entrepreneurs to be successful.

Keywords: Entrepreneur, Entrepreneurship, Characteristics, Enterprise.



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Background of the Study

Cunningham and Lischeron (1991) point out that there are six schools of thoughts in entrepreneurship. The "Great Person" school of thought of entrepreneurship argues about whether entrepreneurs are born or made? Can one teach another or learn to be a manager, leader, or entrepreneur, or the person come into the world carrying the genes or inborn natural capacity to perform these activities? As there is a school that believed in the charismatic leader, so there is a school that might be called the "great person" school of entrepreneurship. According to Cooper (2003) since the 1980s, entrepreneurship has emerged as a topic of growing interest among management scholars and social scientists. The subject has grown in acceptability, particularly in business schools. Saifan (2012) points out that according to the business management literature, entrepreneurship is a special set of activities carried out by individuals with a special mind-set in order to maximize profit. We use "exceptional mind-set" as a broader term to summarize the characteristics that shape the entrepreneurial activities of those individuals. Hariri and Osman (2011) say that the psychological characteristics school of entrepreneurship, focuses on personality factors, believes that entrepreneurs have unique values and attitudes towards work and life. These, along with certain dominant needs drive the individual to behave in certain ways. Entrepreneurs can be differentiated from non-entrepreneurs by personality characteristics. People who possess the same characteristics as entrepreneurs have higher propensity to perform entrepreneurial acts than people who do not possess such characteristics. Gupta and Fernandez (2009) deliberated that international research on entrepreneurial characteristics and traits started with the publication of Hisrich's (1988) work on entrepreneurs in Northern Ireland. Since then, several studies have examined the relationship between national culture and entrepreneurial characteristics and traits. These studies have focused on a diverse set of characteristics, behaviors, and values across a number of countries (Hayton et al., 2002). Most of the studies presented and compared typical entrepreneurial characteristics across two or three countries. The personality of entrepreneurs plays an important role in the management of SMEs, because they are supposed to be leaders, their personality traits affect the direction of the future of the business development. A decision to become an entrepreneur comes along with a certain approach to life and the world around. A person who wishes to become an entrepreneur must meet certain basics (Kozubíková et. al., 2017). A growing number of authors (Cools and Broeck 2007; Cromie 2000; Gürol and Atsan 2006; Mueller and Goić 2002) argue that identifying a cluster of relevant traits may be more useful to assess the entrepreneurial personality than focusing on a single characteristic. According to Beugelsdijk and Noorderhaven (2005), entrepreneurs differ from the general population and from paid employees by many characteristics.

According to Nimalathasan (2009) even though the entrepreneurial characteristics have been well documented in literature, there is no agreement among the scholars as to the number and labels of these characteristics. A number of personal characteristics associated with entrepreneurship has been investigated independently. While the commonness of entrepreneurial characteristics has been documented in different countries with different cultures (Pang 1999; Roland 2004; Taylor 1987), a few studies have examined entrepreneurial characteristics collectively to profile countries in terms of their commonness of individual with entrepreneurial potential.

According to above elucidations using literature, it is very clear that scholars have studied entrepreneurial characteristics extensively. However, they are contextual and culture bound. As a result, there is no consensus among the scholars about a common list of characteristics of successful entrepreneurs. Therefore, subsequent research questions have emerged after as a result of the above literature.

- i. What is the common list of characteristics which are needed for an entrepreneur to be successful in Sri Lanka?
- ii. What are the characteristics of entrepreneurs which are important for micro, small, medium and large-scale businesses to be successful separately in Sri Lanka?

Therefore, in the study it is expected to see the common list of characteristics which are needed to entrepreneurs to be successful in Sri Lanka and to see the characteristics which are important for micro, small, medium and large-scale businesses to be successful in Sri Lanka. These objectives are derived from the aforementioned research questions.

Literature Review

The Entrepreneur: Defined

The corresponding English terms for "entrepreneur" derived from the French verb"entreprendre" which meant undertaker, adventurer or merchant. The term "entrepreneur" is used to signify the individuals who were tied up in military expeditions and civil engineering activities such as construction and fortification (Wee, Lim & Lee, 1994). After the initial formal notional use of entrepreneurship by Richard Cantillon (Murphy & Murphy, 1986) many diverse definitions and concepts regarding the term were developed. The formal theorizing and definitions of entrepreneurs can be recognized under three major recurring and interrelated themes.

The highlight of Richard Cantillons (1730 as cited in Long, 1983) definition of entrepreneur is; entrepreneur is a self-employed, person, who would bare risk coming from additional uncertainty that accompanies self-employment (Long, 1983). Richard Cantillon's definition of entrepreneurship implies that an entrepreneur is a risk taker (Wee, Lim & Lee, 1994). Jean-Baptiste Say (1810) incorporated the same aspect of uncertainty and obstacles in an entrepreneurs' role and further included the necessity of comprising with managerial talents that are required to be a successful entrepreneur which designates the entrepreneur to an extraordinary talented manager (Long, 1983). Alfred Marshall (1890) defined the entrepreneur corresponding with Jean-Baptiste Say's definition but somewhat broader than that by underlining the fact that the abilities to be an entrepreneur are different yet complementary with the abilities to be a manager. Another viewpoint is associating the entrepreneur to an innovator. This perspective was brought up the Joseph Schumpeter, who is known as the father of modern entrepreneurial thought (Wee, Lim & Lee, 1994). Joseph Alois Schumpeter laid this reflection of the entrepreneur by claiming that, the entrepreneurs' function is to carry out new enterprises by promoting new combinations of productive factors (Long, 1983). Frank Knight (1920) recapped the need for managerial competency, as did Jean-Baptiste by emphasizing that entrepreneurs are

required to perform such fundamental managerial functions with responsible direction and control. Around 1960, Edith Penrose explained organizational growth and development by recourse to a creative opportunistic conception of the entrepreneur (Long, 1983). Israel Kirzner (1975) has adapted the concepts of the creative entrepreneur to the problem of identifying opportunities for market arbitrage activities (Long, 1983). This array of definitions implies that, no single definition of "entrepreneur" has been consistently accepted in the literature (Carland et al., 2002).

Meaning of Entrepreneurship

Entrepreneurial processes on the other hand provide the dynamics of 'conscious actions' of the entrepreneur which are generally classified as entrepreneurship (Bygrave & Hofer, 1992). According to Bygrave and Hofer (1991), entrepreneurship researchers are hampered by the lack of a common conceptual framework for the concept of entrepreneurship. The lack of consensus on the meaning of this term makes it imperative that researchers provide a clear statement of their meaning when they use it. They offer such a meaning by considering the process of entrepreneurship rather than defining the term "entrepreneur". According to them "entrepreneurship involves all the functions, activities, and actions associated with the perceiving of opportunities and the creation of organizations to pursue them". According to Ronstadt (1984) entrepreneurship is the dynamic process of creating incremental wealth. Schumpeter (1934) points out entrepreneurship is characterized by the existence of new combinations causing discontinuity. According to Hisrich and Peters (1995) entrepreneurship is the process of creating something different with value, by devoting the necessary time and effort, assuming the accompanying financial, psychological and social risk, and receiving the resulting rewards of monetary and personal satisfaction.

Entrepreneurial Characteristics of Successful Entrepreneurs

An extensive body of research designates that the psychological traits of entrepreneurs stimulate their behavior and actions in the entrepreneurial process (Wee, Lim & Lee, 1994; Wiklund et al., 2011). The psychological characteristics of the entrepreneurs have been used to distinguish entrepreneurs from non-entrepreneurs to outline why some people recognize and exploit opportunities when others don't (Omorede, Thorgren & Wincent, 2015). The research studies on psychological traits of entrepreneurs that have addressed permanent traits and unique characteristics that give both consistency and individuality to a person's behavior. In the entrepreneurship literature, there is a high proliferation in identifying and studying psychological traits. That personality research has focused on traits and characteristics such as internal locus of control, self-reliance, competitive aggressiveness, autonomy, innovativeness, proactivity, and risk taking, achievement orientation. Among the physiological traits McClelland (1961) pioneered in the notion of need for achievement, "nAch" and has summarized some key other characteristics such as; confidence, perseverance, energy, diligence, foresight, initiative, versatility, intelligence and perceptiveness. McClelland (1961) has summarized the characteristics based on (1) list of 27 different traits that promotes success in small business, proposed by U.S. Small Business Administration (2) list of 16 characteristics presented by Hornaday and Bunker (1970) and (3) list of 32 traits prepared by East-West Center Technology and Development Institute (1976). The theory of locus of control was developed by Rotter (1966). Sexton and Bowman (1982) initialized the conceptualization of the risk-taking propensity as one of the psychological characteristics of entrepreneurs. Schumpeter (1934 as cited in Schumpeter & Backhaus, 2003) was the first person to link the entrepreneur with innovation. Schrage (1965) has initiated the early research on the high need for autonomy. The need for autonomy characteristic of the entrepreneur is similarly referred to as 'need for control' or 'need for power' (n Power) (Wee, Lim & Lee, 1994). Following these initiations, other scholars have similarly discussed about number of psychological traits that differ entrepreneurs from non-entrepreneurs. Driessen and Zwart (2007) mentioned about; nAch, need for autonomy, need for power, social orientation, self-belief, endurance, market awareness, creativity, flexibility. The internal locus of control (Budner 1962; Rotter 1966), need for achievement (McClelland 1961), belief in the effect of personal effort on outcomes (McGhee and Crandall 1968; Lao 1970), self-confidence or overconfidence (Stevenson and Gumpert 1985; Busenitz and Barney 1997; Liles 1974), tolerance for ambiguity (Schere 1982), willingness to bear uncertainty (Khilstrom and Laffont 1979), and attitudes towards risk (Liles 1974; Mintzberg 1973) are important for an entrepreneur to be successful. According to Deáková, Drážovská, Grznárik and Kondášová (2010) the most important personal qualities for an entrepreneur are: courage, self-reliance, responsibility, determination, perseverance, proactive approach, creativity and scholarship in a particular area, where this entrepreneur intends to do business.

These studies focused on the psychological traits of the entrepreneurs and have attempted to understand why some are successful in their entrepreneurial processes while others have not gain success (Omorede, Thorgren & Wincent, 2015). Those studies have examined entrepreneurship through the psychology lens. Table 1 presents research studies, which examined the effect of psychological characteristics of entrepreneurs in business creation and business performance.

Table 1. Characteristics of Successful Entrepreneurs

No.	Characteristic	Sources
1	Hard worker	Envick (2014), Beugelsdijk (2010), Lim and Wee (1994), Solomon and Fernald (1988), Haque and Sharmin (2015), Herbison (2015), Barine (2021)
2	Organizer	Zimmerman (2008), António and Pinto (2022)
3	Initiator	Timmons (1978), Bamberger (1983), Carland, Carland and Stewart(1996)
4	Energetic	Timmons (1978), Pickle (1964), Barbato and Durlabhji (1989), Herriott (2000), Katz (1991)
5	Strategic thinker	Barine (2021)
6	Communication capacity	Nascimento, Silveira and Lizote (2019), Makhbul and Hasun (2011)
7	Independent	Krishnamoorthy and Balasubramani (2014)
8	Commitment	Ronstadt and Robert (1984), Kerr (2017),

		Omrane and Fayolle (2011)	
	Timmons (1978), Nishanthi (2014), Gundla		
9	Self-confidence	and Sammartino (2019), Baum and Locke (2004)	
10	Integrity	Timmons (1978), Kuratko et al. (2004)	
11	Determination	Montagno, Kuratko and Scarcella (1985), Baum	
11	Determination	(2001)	
12	Adopt to change	Kisfalvi and Maguire (2011), Aloulou and Fayolle	
14	Adopt to change	(2005)	
13	Networker	Elfring and Hulsink (2019), Ardichvili, Cardozo	
	Networker	and Ray (2003)	
14	Emotional intelligent	Cavill (2007)	
15	Self-efficacy	Rauch and Frese (2007), Gundlach and	
13	Sen-emeacy	Sammartino (2019)	
16	Resources Mobilization Capacity	Gallas, Vargas and Lenzi (2015), Timmons	
10	Resources Mobilization Capacity	(1978), McGrath and O'Toole (2014)	
17	Leadership Capacity	Simba and Thai (2019), Doğru (2020), Bird	
1 /	Leadership Capacity	(2019), Dunphy (1996), Lim and Wee (1994)	
18	Persuasion	Kanchana, Divya and Beegom (2013), Landström	
	i cisuasion	(2014)	
19	Assertiveness	Wennberg, Pathak and Autio (2013,	
	7133CHUVEHE33	Jawabri (2020)	
20	Job Satisfaction	Luca and Simo (2016)	
21	Life Satisfaction	Przepiorka (2017)	
22	Need for power	McClelland (1961), Hornaday and Aboud (1971),	
	riced for power	Baron (2007), Ismail & Zain (2015)	
		Pramesti and Prihastiwi (2020), Guritno, Suyono	
23	Optimistic	and Sunarjo (2019), Pandowo and Lumintang	
		(2018), Barine (2021)	
24	Motivation to excel	Block, Sandner and Spiegel (2015)	
25	Opportunity obsession	Chen (2007), Van Zuilenburg (2013), Ardichvili,	
	Tr	Cardozo and Ray (2003)	
		Davis (1999), Lumpkin and Erdogan (2004),	
26	Need for affiliation	Decker, Calo and Weer (2012), Pinillos and Reyes	
		(2011)	
		McClelland et al. (1976), Stokes, Wilson and	
		Mador (2010), Burns (2012), Collins et al. (2004),	
27		Rauch and Frese (2007), Zhao and Seibert (2006),	
	Need for achievement	Sarwoko, Surachman and Hadiwidjojo (2013),	
•	recei for achievement	Abdulwahab and Al-Damen (2015), Akinroluyo	
		and Oluwaniyi (2021), Sumawidjaja, Ahman and	
		Machmud (2019), Guritno, Suyono and Sunarjo	
		(2019), Mahadalle and Kaplan (2017)	
28	Risk propensity	Stewart and Roth (2001), Stewart and Roth	
=	1 1 7	(2004), Rauch and Frese (2007), Nishanthi (2014),	

		Timmons (1978), Block, Sandner and Spiegel		
		(2015), Hyrsky and Tuunanen (1999), Stewart et		
		al. (1999), Carland et al. (1984), Jain and Ali		
		(2012)		
20	Innovativeness	Rauch and Frese (2007), Hyrsky and Tuunanen		
29	Innovativeness	(1999), Mueller and Thomas (2001)		
		Rauch and Frese (2007), Mueller and Thomas		
		(2001), Ganesan et al. (2003), Begley and Boyd		
30	I can of southed	(1987), Kantor (1988), Chelariu et al. (2008), Jain		
30	Locus of control	and Ali (2012), Carland et al. (1984), Mueller and		
		Goic (2002), Sarwoko, Surachman and		
		Hadiwidjojo (2013), Baron (2007)		
31	Conscientiousness	Zhao and Seibert (2006), Zhao et al. (2010)		
32	Canatisvitas	Burns (2012), Kirby (2003), Caird (1991),		
32	Creativity	Thompson and Bolton (2007)		
33	Proactive personality	Rauch and Frese (2007)		
34	Stress Tolerance	Rauch and Frese (2007)		
35	Autonomy	Rauch and Frese (2007)		
36	Conscientiousness Zhao and Seibert (2006), Zhao et al. (2010)			
		Solomon and Winslow (1988), Zampetakis et al.		
37	Desire for independence	(2015), Chinyamurindi and Shava (2019),		
		Hornaday and Aboud (1971)		

Methodology of the Study

Definition of Key Terms

In this study micro, small, medium and large (Service, Trading and manufacturing) is defined as follows for the use of this study. Based on the following definitions micro, small, medium and large businesses in the service, trading, and industry and construction were delineated.

Table 2. Definitions of Micro, Small, Medium and Large-Scale Businesses

Major Economic Sector	SME Group	Criteria (No. of Persons Engaged)
	Micro	1-4
I 1 1	Small	5-24
Industry and Construction	Medium	25-199
	Large	200 and above
	Micro	1-3
TT 1	Small	4-14
Trade	Medium	15-34
	Large	35 and above
Services	Micro	1-4

 Small	5-15
Medium	16-54
Large	75 and above

Source: Economic Listing Database, Department of Census and Statistics of Sri Lanka, 2013

In this study, the sample of entrepreneurs was selected from the data base of Federation of Chamber of Commerce and Industry of Sri Lanka (FCCISL). Majority of the questions in the questionnaire were taken from pretested questionnaires by past researchers. Isaga (2012), Chye Koh (1996), Anwar and Saleem (2019), Jacson (1994), Levenson (1974), Chang et al. (2007) and Kirton (1981) pre-tested questionnaires were used to develop the questionnaire for this study.

The self-administered questionnaire was circulated among the whole database of FCCISL where the contact details were undisclosed by FCCISL. However, 130 questionnaires were received and out of which 121 questionnaires were selected for the use of this study. The data was analyzed by using SPSS 22 version. One-way ANOVA and descriptive statistics were used to analyze the data and in order to achieve the set objectives in the research.

Table 3. Sample Profile

Measurement	Scale of	Category Business		TT . 1	
Category	Business	Service	Trade	Manufacturing	Total
	Large	3	9	4	16
Number of	Medium	11	5	13	29
Employees	Small	16	21	13	50
	Micro	10	10	6	26
Total		40	45	36	121

Source: Survey data

Table 3 delineates the large, medium, small and micro businesses according to the definition used in the research. This table also shows the number of businesses in service, trade and manufacturing sectors in the sample taken for this study.

Cronbach's alpha is used as a measure of reliability and a score of 0.70 or higher is considered as acceptable in general (Taber, 2018). According to SPSS 22.0 application guide (2013) Cronbach's alpha is a measure of reliability. The computation of Cronbach's alpha is based on the number of items on the survey and the ratio of the average inter-item covariance to the average item variance. Malhotra (2001: 282) states that this coefficient varies from 0 to 1, and a value of 0.6 or less generally indicates unsatisfactory internal consistency.

Table 4. Reliability Test Results Using Cronbach's Alpha

No.	Characteristic	Cronbach's alpha value	No. of Items
1	Adapt to Change	0.711	2
2	Assertiveness	0.802	3
3	Emotional Intelligence	0.699	2
4	Energetic	0.705	2

5	Hard worker	0.710	2
6	Independent	0.800	2
7	Innovator	0.845	3
8	Need for Achievement	0.743	2
9	Optimistic	0.695	2
10	Persuasion	0.707	2
11	Self-confidence	0.788	3
12	Self-efficacy	0.716	3

Table 4 gives the Cronbach's alpha values relating to questions measuring each of the variables. The table shows that there is sufficient internal consistency since Cronbach's alpha coefficients of almost all the variables are greater than 0.7. Most of the coefficients are greater than 0.7 and some of them are even greater than 0.8. It proves that there is a strong internal consistency among the questions asked for variables in this study, thus enabling the researcher to combine them into a single variable.

Analysis of Data and Discussion

Table 5 shows the mean values of the thirty-one entrepreneurial characteristics used in the study for large, medium, small and micro scale business in the sample. The mean values have been arranged according to descending order. Therefore, the table 5 shows the highest important entrepreneurial characteristic to least important based on the mean value. Thus, table 04 gives ranks to each entrepreneurial characteristic from 1 to 31 based on the mean value of each entrepreneurial characteristic. This is the achievement of the first objective of this study.

Table 5. Mean Values of Entrepreneurial Characteristics

Rank based on Mean Value	Characteristic	Mean Value
1	Internal Locus of Control	4.53
2	Need for Achievement	4.52
3	Determination	4.51
4	Independent	4.45
5	Risk Taker	4.45
6	Handworker	4.43
7	Integrity	4.39
8	Job Satisfaction	4.31
9	Organizer	4.20
10	Need for Power	4.20
11	Assertiveness	4.18
12	Strategic Thinker	4.17
13	Life Satisfaction	4.13
14	Motivation to Excel	4.09
15	Emotional Intelligence	4.08
16	Communication Capacity	4.08

17	Networker	4.07
18	Innovator	4.04
19	Self-Confidence	4.04
20	Initiator	4.02
21	Adapt to Change	4.01
22	Desire for Independence	4.00
23	Leadership Capacity	3.98
24	Persuasion	3.95
25	Optimistic	3.93
26	Resource Mobilization Capacity	3.87
27	Self-Efficacy	3.72
28	Energetic	3.59
29	Need for Affiliation	3.50
30	Opportunity Obsession	3.42
31	Commitment	3.05

According to Table 6 three conclusions can be derived. There are some characteristics which have a difference between at least one group in the sample. At the same time, there are some characteristics which have a marginal difference between at least one group in the sample. Similarly, there are some characteristics which does not have a difference between at least one group in the sample.

Table 6. One-Way ANOVA (Scales of Business: Micro, Small, Medium and Large Scale)

No.	Characteristic	P Value
1	Risk taker	0.002*
2	Self-confidence	0.002*
3	Motivation to excel	0.041**
4	Energetic	0.049**
5	Leadership capacity	0.068**
6	Self-efficacy	0.070**
7	Internal locus of control	0.078**
8	Initiator	0.090**
9	Need for power	0.090**
10	Commitment	0.098**
11	Need for achievement	0.121***
12	Adapt to change	0.148***
13	Job satisfaction	0.155***
14	Resource mobilization capacity	0.175***
15	Hard worker	0.178***
16	Opportunity obsession	0.193***
17	Organizer	0.241***
18	Optimistic	0.242***
19	Strategic thinker	0.245***

20	Integrity	0.254***
21	Desire for independence	0.278***
22	Assertiveness	0.326***
23	Innovator	0.350***
24	Determination	0.387***
25	Independent	0.393***
26	Need for affiliation	0.479***
27	Life satisfaction	0.489***
28	Networker	0.588***
29	Emotional intelligence	0.596***
30	Communication capacity	0.758***
31	Persuasion	0.990***

^{*} This characteristic has a difference between at least one group in the sample

Table 7 in Appendix 01 shows that pair wise comparison of different scales of businesses (large, medium, small and micro) and their relationship with each entrepreneurial characteristic. According to Table 07 some characteristics have a significant difference whereas some have a marginal and no difference in the entrepreneurial characteristic.

Table 8, 9, 10 and 11 shows the mean values of each entrepreneurial characteristic in large, medium, small and micro scale businesses in the sample. Based on the relative size of each mean value related to each entrepreneurial characteristic, the relative importance of each entrepreneurial characteristic has been identified.

Table 8. Mean Values of Entrepreneurial Characteristics in Large Scale Businesses

Rank based on	Characteristic	Mean Value
Mean Value	Gharacteristic	Mean value
1	Internal locus of control	4.69
2	Need for achievement	4.66
3	Organizer	4.44
4	Determination	4.31
5	Desire for independence	4.31
6	Hard worker	4.31
7	Integrity	4.25
8	Networker	4.25
9	Leadership capacity	4.25
10	Independent	4.25
11	Adapt to change	4.09
12	Communication capacity	4.06
13	Assertiveness	4.06
14	Risk taker	4.00
15	Emotional intelligence	4.00

^{**} This characteristic has a marginal difference between at least one group in the sample

^{***} This characteristic does not have a difference between at least one group in the sample

16	Job satisfaction	4.00
17	Persuasion	3.91
18	Resource mobilization capacity	3.88
19	Innovator	3.88
20	Life satisfaction	3.88
21	Strategic thinker	3.81
22	Initiator	3.75
23	Need for power	3.75
24	Energetic	3.56
25	Optimistic	3.56
26	Self-confidence	3.56
27	Motivation to excel	3.50
28	Need for affiliation	3.50
29	Self-efficacy	3.44
30	Opportunity obsession	3.19
31	Commitment	2.56

Table 9. Mean Values of Entrepreneurial Characteristics in Medium Scale Businesses

Rank based on

Rank based on Mean Value	Characteristic	Mean Value
1	Risk taker	4.79
2	Internal locus of control	4.72
3	Integrity	4.64
4	Need for achievement	4.64
5	Hard worker	4.62
6	Determination	4.59
7	Independent	4.53
8	Job satisfaction	4.45
9	Self-confidence	4.33
10	Assertiveness	4.32
11	Strategic thinker	4.31
12	Organizer	4.31
13	Communication capacity	4.21
14	Leadership capacity	4.21
15	Motivation to excel	4.21
16	Life satisfaction	4.21
17	Adapt to change	4.19
18	Resource mobilization capacity	4.18
19	Innovator	4.18
20	Need for power	4.17
21	Emotional intelligence	4.14
22	Networker	4.07
23	Optimistic	4.07

24	Desire for independence	4.03
25	Self-efficacy	4.00
26	Persuasion	3.97
27	Initiator	3.76
28	Opportunity obsession	3.62
29	Need for affiliation	3.55
30	Energetic	3.43
31	Commitment	2.72

Table 10. Mean Values of Entrepreneurial Characteristics in Small Scale Businesses

Rank based on	Characteristic	Mean Value	
Mean Value	Characteristic		
1	Need for achievement	4.50	
2	Determination	4.48	
3	Independent	4.45	
4	Risk taker	4.42	
5	Job satisfaction	4.40	
6	Need for power	4.39	
7	Internal locus of control	4.36	
8	Hard worker	4.33	
9	Initiator	4.32	
10	Integrity	4.32	
11	Strategic thinker	4.24	
12	Life satisfaction	4.22	
13	Assertiveness	4.21	
14	Networker	4.12	
15	Motivation to excel	4.12	
16	Innovator	4.07	
17	Self-confidence	4.06	
18	Organizer	4.04	
19	Communication capacity	4.02	
20	Emotional intelligence	4.01	
21	Persuasion	3.97	
22	Optimistic	3.94	
23	Adapt to change	3.83	
24	Desire for independence	3.82	
25	Resource mobilization capacity	3.76	
26	Energetic	3.76	
27	Leadership capacity	3.68	
28	Self-efficacy	3.63	
29	Need for affiliation	3.56	
30	Opportunity obsession	3.32	

31 Commitment 3.10

Source: Survey data

Table 11. Mean Values of Entrepreneurial Characteristics in Micro Scale Businesses

Rank based on	Characteristic	Mean Value
Mean Value	Characteristic	Wicaii v aiuc
1	Determination	4.62
2	Hard worker	4.48
3	Independent	4.48
4	Internal locus of control	4.45
5	Risk taker	4.38
6	Integrity	4.36
7	Need for achievement	4.35
8	Motivation to excel	4.27
9	Organizer	4.23
10	Emotional intelligence	4.20
11	Job satisfaction	4.15
12	Need for power	4.15
13	Desire for independence	4.12
14	Leadership capacity	4.12
15	Adapt to change	4.10
16	Strategic thinker	4.08
17	Communication capacity	4.04
18	Life satisfaction	4.04
19	Assertiveness	4.03
20	Optimistic	3.98
21	Self-confidence	3.96
22	Persuasion	3.94
23	Innovator	3.93
24	Initiator	3.88
25	Networker	3.88
26	Resource mobilization capacity	3.76
27	Self-efficacy	3.75
28	Commitment	3.62
29	Opportunity obsession	3.54
30	Energetic	3.46
31	Need for affiliation	3.31

Source: Survey data

Table 12 shows the importance of each entrepreneurial characteristic to large, medium, small and micro businesses based on the rank given to the mean value of each entrepreneurial characteristic. Consequently, it can be reported that there is a relative importance of each entrepreneurial characteristic to each scale of business. This table is a summary of Table 08, 09,

10 and 11 to compare the relative importance of entrepreneurial characteristic to each scale of business.

Table 12. Comparison of Mean Values of Entrepreneurial Characteristics among
Different Scales of Businesses

	Scale of the Business (Relative Importance o				
No.	Characteristic	the characteristic out of 31 characteristic			
		Large	Medium	Small	Micro
1	Adapt to change	11	17	23	15
2	Assertiveness	13	10	13	19
3	Commitment	31	31	31	28
4	Communication capacity	12	13	19	17
5	Desire for independence	5	24	24	13
6	Determination	4	6	2	1
7	Emotional intelligence	15	21	20	10
8	Energetic	24	30	26	30
9	Hard worker	6	5	8	2
10	Independent	10	7	3	3
11	Initiator	22	27	9	24
12	Innovator	19	19	16	23
13	Integrity	7	3	10	6
14	Internal locus of control	1	2	7	4
15	Job satisfaction	16	8	5	11
16	Leadership capacity	9	14	27	14
17	Life satisfaction	20	16	12	18
18	Motivation to excel	27	15	15	8
19	Need for achievement	2	4	1	7
20	Need for affiliation	28	29	29	31
21	Need for power	23	20	6	12
22	Networker	8	22	14	25
23	Opportunity obsession	30	28	30	29
24	Optimistic	25	23	22	20
25	Organizer	3	12	18	9
26	Persuasion	17	26	21	22
27	Resource mobilization capacity	18	18	25	26
28	Risk taker	14	1	4	5
29	Self-confidence	26	9	17	21
30	Self-efficacy	29	25	28	27
31	Strategic thinker	21	11	11	16

Conclusion

This study focused on identifying a common list of entrepreneurial characteristics for entrepreneurs to be successful. The common list of entrepreneurial characteristics has been identified for all businesses as a whole and then to large, medium, small and micro businesses separately. This research endeavor is to fill a gap in literature. This study used descriptive statistics (such as mean values) and One-Way ANOVA to analyze data and in an attempt to achieve the research objectives. Based on the results of the mean values calculated for all scales of businesses in the sample (large, medium, small and micro) it clearly shows that the entrepreneurial characteristics for a business to be successful can be ranked based on mean values used in the analysis part of the study. In the second part of the research, One-Way ANOVA was used to see whether there is a reasonable difference among the importance of entrepreneurial characteristics among the scales of businesses (large, medium, small and micro). The results show that there is no serious difference as such. Therefore, the common list of entrepreneurial characteristics calculated to achieve the first objective remains dominate here and thus, scale-wise results do not show much difference.

Limitations and Future Research Directions

In this study, the sample has been selected by using the FCCSL database only. However, there can be an impact on the results, if future researchers expand this sample to other databases as well. This study has focused only on thirty-one entrepreneurial characteristics. However, further research can analyze on more entrepreneurial characteristics after a through literature review which may pave the way for better results.

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Appendix 01

Table 7. Multiple Comparisons (Tukey HSD)

No.	Characteristic	Category of Business		Category of Business P Val		P Value
		Large	Medium	1.000		
		Large	Small	0.281		
		Large	Micro	0.983		
1	T 121 /	Medium	Small	0.136		
1	Initiator	Medium	Micro	0.978		
		Small	Micro	0.369		
		Large	Medium	0.001*		
		Large	Small	0.114		
2	D:-1- 4-1	Large	Micro	0.247		
2	Risk taker	Medium	Small	0.070		
		Medium	Micro	0.095		
		Small	Micro	0.996		
		Large	Medium	0.247		
		Large	Small	0.308		
2	0	Large	Micro	0.765		
3	Strategic thinker	Medium	Small	0.985		
		Large Small Large Small Large Micro Medium Small Medium Micro Small Micro Large Medium Large Small Large Small Large Micro Medium Small Micro Medium Small Micro Medium Micro Small Micro Small Micro Small Micro Large Medium Large Small Micro Small Micro Large Medium Large Small Large Small Large Small Large Small	0.744			
		Small	Micro	0.860		
		Large	Medium	0.951		
			Small	0.283		
4		Large	Micro	0.833		
4	Organizer	Medium	Small	0.444		
		Medium	Micro	0.981		
		Small	Micro	0.283		
		Large	Medium	0.998		
		Large	Small	0.299		
		_	Micro	0.888		
5.	Internal Locus of Control		Small	0.082**		
		Medium	Micro	0.714		
		Small		0.667		
		Large	Medium	0.930		
		Large	Small	0.997		
6	Communication capacity	Large	Micro	1.000		
V	Communication capacity	Medium	Small	0.725		
		Medium	Micro	0.846		
		Small	Micro	1.000		
7	Commitment	Large	Medium	0.987		

		Large	Small	0.619
		Large	Micro	0.145
		Medium	Small	0.723
		Medium	Micro	0.147
		Small		0.520
		Large		0.353
		Large		0.988
		_		0.969
8	Integrity	Large		
	_ ,	Medium		0.276
		Medium		0.529
		Small	Micro Small Micro Micro Medium Small Micro Small Micro Micro Medium Small Micro Small Micro Micro Medium Small Micro Micro Medium Small Micro Small Micro Small Micro Small Micro Micro Medium Small Micro Small Micro Micro Medium Small Micro Micro Medium Small Micro Micro Medium Small Micro Micro Medium Small Micro Micro Medium Small Micro Small Micro Micro Medium Small Micro Small Micro Small Micro Small	0.996
		Large		0.471
		Large	Small	0.772
9	Determination	Large	Micro	0.399
,	Determination	Medium	Small	0.877
	Med	Medium	Micro	0.998
		Small	Micro	0.793
		Large	Medium	0.914
		Large	Small	0.957
		Large	Micro	0.570
10	Networker	Medium	Small	0.995
		Medium		0.869
		Small	Micro Small Micro Micro Medium Small Micro Small Micro Micro Medium Small Micro Small Micro Small Micro Micro Medium Small Micro Micro Medium Small Micro Small Micro Small Micro Small Micro Small Micro Micro Medium Small Micro Micro Medium	0.694
		Large		0.788
		Large		0.283
		Large		0.923
11	Desire for independence	Medium		0.773
		Medium		0.773
		Small		0.578
		Large		0.659
	D 1.11.	Large		0.964
12	Resource mobilization	Large		0.974
	capacity	Medium		0.157
		Medium		0.276
		Small	Micro	1.000
		Large		0.999
			Medium	
12	Londorship garasity	Large	Medium Small	0.999
13	Leadership capacity	Large Large	Medium Small Micro	0.999 0.217
13	Leadership capacity	Large Large Large	Medium Small Micro Small	0.999 0.217 0.979
13	Leadership capacity	Large Large Large Medium	Medium Small Micro Small Micro	0.999 0.217 0.979 0.127
13	Leadership capacity	Large Large Large Medium Medium Small	Medium Small Micro Small Micro Micro	0.999 0.217 0.979 0.127 0.989 0.300
13	Leadership capacity	Large Large Large Medium Medium	Medium Small Micro Small Micro Micro Micro	0.999 0.217 0.979 0.127 0.989

Medium Micro 0.994			Medium	Small	0.978
Large Small 0.934 Large Small 0.934 Large Micro 0.488 Medium Small 0.350 Medium Micro 0.979 Small Micro 0.651 Large Medium 0.995 Large Small 0.991 Large Small 0.991 Large Micro 0.822 Medium Micro 0.568 Large Micro 0.822 Medium Micro 0.568 Small Micro 0.444 Medium Micro 0.444 Medium Small 1.000 Medium Micro 0.444 Medium Small 0.174 Medium Small 0.174 Medium Micro 0.831 Small Micro 0.726 Large Medium 0.880 Large Medium 0.069** Medium Micro 0.997 Medium Micro 0.138 Large Medium 0.069** Medium Micro 0.138 Medium Micro 0.138 Medium Micro 0.145 Medium Micro 0.145 Medium Micro 0.145 Medium Micro 0.588 Large Medium 0.069* Medium Micro 0.145 Medium Micro 0.145 Medium Micro 0.588 Medium Micro 0.589 Medium Micro 0.588 Medium Micro 0.588 Medium Micro 0.588 Medium Micro 0.589 Medium Micro 0.588 Medium Micro 0.588			Medium	Micro	0.994
Large Micro 0.488			Small	Micro	0.906
Large Micro 0.488			Large	Medium	0.283
15			=	Small	0.934
15 Opportunity obsession Medium Micro Micro (0.979) 0.979 (0.651) Medium Micro (0.979) Small Micro (0.651) 0.0651 Image (0.651) Medium Micro (0.995) 0.0651 Large (0.991) Small (0.991) 0.991 Large (0.992) Micro (0.822) 0.822 Medium (0.993) Micro (0.444) 0.444 Medium (0.994) Micro (0.444) 0.444 Image (0.174) Medium (0.174) 0.174 Medium (0.174) Medium (0.174) 0.174 Medium (0.174) Medium (0.880) 0.831 Image (0.174) Medium (0.880) 0.880 Image (0.174) Medium (0.880) 0.944 Image (0.174) Medium (0.880) 0.944 Image (0.174) Medium (0.993) 0.997 Image (0.174) Medium (0.997) 0.998 Image (0.174) Medium (0.999) 0.138 Image (0.174) Medium (0.999) 0.138 Image (0.174) Medium (0.999) 0.138 Image (0.174) Medium (0.999) 0.			Large	Micro	0.488
Medium Micro 0.979	15	Opportunity obsession	_	Small	0.350
Large Small 0.991 Large Micro 0.822 Medium Small 1.000 Medium Micro 0.568 Small Micro 0.568 Small Micro 0.444 Micro 0.444 Large Medium 0.371 Large Small 1.000 Large Micro 0.424 Large Micro 0.822 Medium Micro 0.444 Medium Small 1.000 Large Micro 0.823 Medium Micro 0.831 Small Micro 0.726 Medium Micro 0.726 Medium Small 0.623 Large Medium 0.880 Large Micro 0.944 Medium Micro 0.997 Small Micro 0.138 Medium Micro 0.138 Medium Micro 0.138 Large Medium 0.999 Large Medium 0.999 Large Medium 0.999 Large Medium 0.494 Medium Micro 0.145 Medium Micro 0.588 Medium Micro 0.588 Large Medium 0.329 Large Medium 0.568 Large Medium 0.568 Large Medium 0.597 Medium Micro 0.533 Medium Micro 0.995 Medium Mic		,	Medium	Micro	0.979
16 Need for affiliation Large Micro (0.822) Medium (Micro) (0.822) 16 Need for affiliation Medium (Micro) (0.568) Small (Micro) (0.444) 17 Hard worker Large (Medium (Micro) (Medium (Medium (Micro) (Medium (M			Small	Micro	0.651
16 Need for affiliation Large Micro (0.822) 16 Need for affiliation Medium (Micro (0.568)) Medium (Micro (0.568)) Small (Micro (0.568)) Medium (Micro (0.444)) Micro (0.444) Image (Medium (0.371)) Large (Medium (0.371)) Image (Medium (0.371)) Large (Micro (0.822)) Medium (Micro (0.831)) Small (0.174) Medium (Micro (0.726)) Medium (0.880) Image (Medium (0.880)) Large (Medium (0.623)) Image (Medium (0.623)) Micro (0.994) Medium (Micro (0.997) Medium (Micro (0.138)) Image (Medium (0.999)) Medium (0.645) Medium (0.645) Medium (0.645) Medium (0.645) Medium (0.645) Medium (0.645) Medium (0.645) Medium (0.645) Medium (0.668) Medium (0.668) Medium (0.668) Medium (0.668) <td></td> <td></td> <td>Large</td> <td>Medium</td> <td>0.995</td>			Large	Medium	0.995
16 Need for affiliation Large Medium Micro Micro Micro Medium Micro Medium Micro Medium Micro Medium Micro Medium Micro Micro Medium Micro Micro Medium Micro Micro Medium Medium Micro Medium Medium Medium Micro Medium M			_	Small	0.991
16 Need for affiliation Medium Medium Micro M			Large	Micro	0.822
Hard worker Large Medium 0.371 Large Small 1.000 Large Micro 0.822 Medium Small 0.174 Medium Micro 0.831 Medium Micro 0.726 Large Medium 0.880 Large Small 0.623 Large Micro 0.994 Medium Micro 0.997 Small Micro 0.138 Medium Micro 0.138 Medium Micro 0.138 Medium Small 0.702 Large Medium 0.999 Large Medium 0.999 Large Micro 0.218 Medium Micro 0.145 Medium Micro 0.145 Medium Micro 0.588 Large Medium 0.568 Medium Micro 0.568 Large Micro 0.553 Medium Micro 0.568 Large Medium 0.907 Medium Micro 0.995 Medium Micro 0.995 Medium Micro 0.995 Medium Micro 0.983 Medium Micro 0.995 Medium Mic	16	Need for affiliation	_	Small	1.000
Hard worker Large Medium 0.371 Large Small 1.000 Large Micro 0.822 Medium Small 0.174 Medium Micro 0.831 Small Micro 0.726 Medium Micro 0.726 Medium Micro 0.726 Medium Micro 0.726 Medium Micro 0.726 Large Medium 0.880 Large Small 0.623 Large Micro 0.944 Medium Micro 0.997 Small Micro 0.138 Medium Micro 0.138 Large Medium 0.999 Large Medium 0.999 Large Medium 0.702 Medium Micro 0.218 Medium Micro 0.145 Medium Micro 0.145 Medium Micro 0.588 Large Medium 0.329 Large Medium 0.329 Large Medium 0.568 Large Medium 0.568 Large Medium 0.907 Medium Micro 0.983 Medium Micro 0.995 Medium Medium 0.997 Medium 0			Medium	Micro	0.568
17 Hard worker Large Micro (0.822) Medium (Medium Micro) 0.831 Medium (Micro) 0.831 Medium (Micro) 0.831 Medium (Micro) 0.726 Large (Medium (Small	Micro	0.444
17 Hard worker Large Micro (0.822) Medium (Medium Micro) 0.831 Medium (Micro) 0.831 Medium (Micro) 0.726 Medium (Micro) 0.726 Medium (Micro) 0.726 Large (Medium Micro) 0.980 Large (Medium Micro) 0.944 Medium (Micro) 0.997 Small (Micro) 0.138 Large (Medium Micro) 0.999 Large (Medium Micro) 0.218 Medium (Medium Micro) 0.218 Medium (Medium Micro) 0.145 Medium (Medium Micro) 0.588 Large (Medium Micro) 0.588 Large (Medium Micro) 0.588 Large (Medium Micro) 0.568 Large (Medium Micro) 0.568 Large (Medium Micro) 0.533 Medium (Medium Micro) 0.533 Medium (Medium Micro) 0.533 Medium (Medium Micro) 0.588 Large (Medium Micro) 0.568 Large (Medium Micro) 0.533 Medium (Medium Micro)			Large	Medium	0.371
17 Hard worker Large Medium Micro Micro Medium Micro 0.831 0.174 Medium Micro 0.831 Amall Medium Micro 0.726 0.726 Amall Micro 0.726 0.726 Amall Micro 0.726 0.726 Amall Micro 0.880 0.623 Large Medium 0.623 0.623 Medium Micro 0.944 0.623 Medium Micro 0.997 0.997 Small Micro 0.138 0.702 Large Medium 0.999 0.702 Large Micro 0.218 0.645 Medium Micro 0.145 0.645 Medium Micro 0.588 0.588 Large Medium 0.329 0.588 Large Micro 0.533 0.568 Large Micro 0.533 0.568 Large Medium 0.907 0.683 Medium Micro 0.983 0.907 Medium Micro 0.995 0.983 Amall Micro 0.995 0.995 Medium Micro 0.997 0.995			_		
17 Hard worker Medium Medium Micro Micro Micro Micro Micro Micro Micro Micro Medium Micro Micro Micro Medium Micro Medi			_		
Medium Small Micro Micro Micro Micro Micro Micro Micro Micro Medium Micro Medium Micro Medium Micro Medium Medium Micro Medium	17	Hard worker	_		
18 Small Micro Medium (0.880) 18 Large Small (0.623) 18 Energetic Energetic (1.25) Large Micro (0.944) 18 Energetic (1.25) Medium Micro (0.994) 19 Medium Micro (0.997) Medium Micro (0.138) 19 Large Medium (0.999) Medium (0.999) 1 Large Micro (0.218) Medium (0.645) 1 Medium Micro (0.145) Medium (0.329) 1 Large Medium (0.329) Medium (0.329) 1 Large Medium (0.568) Medium (0.568) 1 Large Medium (0.907) Medium (0.907) 1 Medium (0.907) Medium (0.907) 1 Medium (0.995) Medium (0.995) 1 Medium (0.907) Medium (0.907) 1 Medium (0.907) Med					
Harge Medium 0.880 Large Small 0.623 Large Micro 0.944 Medium Small 0.069** Medium Micro 0.997 Small Micro 0.138 Medium Micro 0.138 Medium Micro 0.138 Large Medium 0.999 Large Small 0.702 Large Micro 0.218 Medium Small 0.645 Medium Micro 0.145 Medium Micro 0.145 Small Micro 0.588 Large Medium 0.329 Large Medium 0.329 Large Micro 0.568 Large Micro 0.533 Medium Small 0.907 Medium Micro 0.993 Medium Micro 0.995 Medium Micro 0.995 Large Medium 0.974 Large Medium 0.974					
18 Energetic Large Micro O.944 (Medium Small Micro O.069**) 0.069** (Medium Small Micro O.997 (Medium Micro O.997 (Medium Micro O.138) 19 Need for achievement Medium Small Micro O.218 (Medium Small O.702 (Medium Micro O.218 (Medium Micro O.145 (Medium Medium Medium Micro O.145 (Medium Medium Micro O.145 (Medium Medium Medi					
Base of the part of			=		
Medium Small 0.069** Medium Micro 0.997 Small Micro 0.138 Medium Micro 0.138 Medium Micro 0.138 Large Medium 0.999 Large Small 0.702 Large Micro 0.218 Medium Small 0.645 Medium Micro 0.145 Medium Micro 0.588 Medium Micro 0.588 Large Medium 0.329 Large Small 0.568 Large Small 0.907 Medium Small 0.907 Medium Micro 0.983 Medium Micro 0.995 Large Medium 0.974 Large Medium 0.958 Large Medium 0.974 Large Medium 0.974 Large Medium 0.974 Large Medium 0.958 Large Medium 0.974 Large Medium 0.974			_		
Medium Small Micro Micro 0.997 O.138 19 Need for achievement Large Medium 0.999 O.218 Medium 0.702 Medium Small 0.645 Medium Small 0.645 Medium Micro 0.145 Medium Micro 0.145 Medium Micro 0.588 20 Independent Large Medium 0.329 Medium 0.568 Medium 0.568 Medium Small 0.568 Medium Small 0.907 Medium Micro 0.983 Medium Micro 0.995 Medium 0.974 Medium Medium 0.974 Medium 0.974 21 Adapt to change Large Medium 0.974 Medium 0.587	18	Energetic	_		
Small Micro 0.138 19 Need for achievement Large Medium 0.999 Large Small 0.702 Large Micro 0.218 Medium Small 0.645 Medium Micro 0.145 Small Micro 0.588 Large Medium 0.329 Large Small 0.568 Large Micro 0.533 Medium Small 0.907 Medium Micro 0.983 Small Micro 0.995 Large Medium 0.974 Large Medium 0.974 Adapt to change Large Small 0.587					
Large Small 0.702 Large Small 0.702 Large Micro 0.218 Medium Small 0.645 Medium Micro 0.145 Small Micro 0.588 Large Medium 0.329 Large Small 0.568 Large Small 0.568 Large Micro 0.533 Large Micro 0.533 Medium Small 0.907 Medium Micro 0.983 Small Micro 0.995 Large Medium 0.974 Large Medium 0.974 Large Medium 0.974 Large Small 0.587 Large Medium 0.974 Large Small 0.587 Large Medium 0.974 Large Small 0.587 Large Medium 0.974 Large Medium 0.974					
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19 Need for achievement Large Medium Small Micro Medium Micro 0.645 Medium Micro 0.145 Small Micro 0.588 Large Medium 0.329 Large Small 0.568 Large Micro 0.533 Medium Small 0.907 Medium Micro 0.983 Small Micro 0.995 Large Medium 0.974 21 Adapt to change Large Small 0.587			_		
Need for achievement			_		
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Large Small 0.329 Large Small 0.568 Large Micro 0.533 Medium Small 0.907 Medium Micro 0.983 Small Micro 0.995 Large Medium 0.974 21 Adapt to change Large Small 0.587					
Large Small 0.568 Large Micro 0.533 Medium Small 0.907 Medium Micro 0.983 Small Micro 0.995 Large Medium 0.974 21 Adapt to change Large Small 0.587					
20 Independent Large Micro Micro 0.533 Medium Micro 0.907 Medium Micro 0.983 Small Micro 0.995 Large Medium 0.974 21 Adapt to change Large Small 0.587			_		
20 Independent Medium Small 0.907 Medium Micro 0.983 Small Micro 0.995 Large Medium 0.974 21 Adapt to change Large Small 0.587	•		_		
Medium Micro 0.983 Small Micro 0.995 Large Medium 0.974 Adapt to change Large Small 0.587	20	Independent	_		
Small Micro 0.995 Large Medium 0.974 21 Adapt to change Large Small 0.587					
Large Medium 0.974 21 Adapt to change Large Small 0.587					
21 Adapt to change Large Small 0.587					
	21	Adapt to change	_		
		i O	Large	Micro	1.000

0.152 0.969 0.430 0.899 1.000 0.778 0.827 0.989 0.641
0.430 0.899 1.000 0.778 0.827 0.989 0.641
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0.192
0.377
0.370
0.903
0.978
0.997
0.001*
0.037**
0.203
0.284
0.149

		Small	Micro	0.917
		Large	Medium	0.242
		Large	Small	0.270
29	Lab actionation	Large	Micro	0.921
29	Job satisfaction	Medium	Small	0.993
		Medium	Micro	0.487
		Small	Micro	0.546
		Large	Medium	0.610
		Large	Small	0.512
		Large	Micro	0.934
30	Life satisfaction	Medium	Small	1.000
		Medium	Micro	0.889
		Small	Micro	0.823
		Large	Medium	0.408
		Large	Small	0.059**
31	Nood for norman	Large	Micro	0.466
31	Need for power	Medium	Small	0.718
		Medium	Micro	1.000
		Small	Micro	0.687

^{*}There is a difference between two categories of businesses in the entrepreneurial characteristic

concerned.

**There is a marginal difference between two categories of businesses in the entrepreneurial characteristic concerned