Business Mentoring and Entrepreneurship Development in Selected States of Nigeria

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ABSTRACT
There exist a hiatus between teaching and practice of Entrepreneurship Development in Nigeria. This exacerbates unemployment, affects the nation’s gross domestic product as well as economic growth and development. As a result this paper examined business mentoring as a panacea for entrepreneurship development in Nigeria. The study was limited to six states selected from six geo-political zones of the country. Guided by Social Cognitive Career Theory (SCCT) as well as Behavioral-Elastic Model, the research sought to ascertain if there was a positive relationship between effective learning and entrepreneurship development. In pursuance of the objective of the study, the cross-sectional survey research design was adopted. A sample of 131 individuals selected from the various states was used for the study. One research question and one hypothesis were formulated to guide the study. A structured questionnaire was designed to elicit data from the respondents. Personal interviews were also conducted with some selected members of the sample. A pilot study was conducted using a test-retest method to establish the reliability of the research instrument. The validity of the research instrument was also tested. Pearson Product Moment Correlation was used for testing the hypothesis and t-test was used for testing the level of significance of correlation coefficient at 5% error and 3 degrees of freedom. Among others, the findings of the research reveal that there is a positive relationship between effective learning and entrepreneurship development in Nigeria; and that one can acquire entrepreneurial skills through mentoring. It is recommended that National University Commission should as a matter of urgency introduce business mentoring in University Curriculum and should be backed by relevant policy; and there is a need for additional research into the long-term impact of mentoring relations vis-à-vis cost benefit analysis of the programme.

Key Words: Business Mentoring, Learning, Entrepreneurship development, Panacea, Correlation.

1. INTRODUCTION
The relatively stable economic environment of the colonial and immediate post-colonial era in Nigeria produced a generation of educated elites whose mindset was shaped to seek and secure paid employment in the public sector of the economy. Employment in the private sector was accepted with a large measure of reluctance and as a waiting strategy (Onyeizugbe, 2011). Self employment was held in ridicule. Higher educational institutions did not emphasize “Business mentoring for entrepreneurship development”.

In the last twenty years, efforts to promote entrepreneurship development have resulted in the creation of a range of small business mentoring enterprise development programmes (Hailey, 1993). There is no generally acceptable model, and different institutions including universities, technical colleges and enterprise agencies did not provide a variety of entrepreneurship or small business mentoring courses (Hailey, 1993). These mentoring programmes are designed to motivate potential entrepreneurs, raise awareness of entrepreneurship generally, and help promote entrepreneurial learning. Other programmes try to remove barriers and constraints to business success by providing managerial and technical skills and helping entrepreneurs prepare a viable business plan. Ugwu (2006) argues that most entrepreneurship related policies and programmes in Nigeria fall short of appropriate business mentoring frameworks. Some of the policies are poor and lack clear entrepreneurial learning vision and commitment which pose serious threats to entrepreneurship development in Nigeria. If the quadruple upon which the entrepreneurship development is founded is lost, there is an urgent need for entrepreneurial learning programmes in Nigeria. Arising from the above, therefore, this study seeks to fill in the gap by ascertaining whether business mentoring is a panacea for entrepreneurship development in Nigeria.

1.1 Objectives of the study
The objective of the study is to ascertain the extent to which there is a positive relationship between effective learning and entrepreneurship development in Nigeria.

1.2 Research Question
To what is there a positive relationship between effective learning and entrepreneurship development in Nigeria?
1.3 Hypothesis
The following hypothesis is formulated to guide this study.

$H_0$: There is no positive relationship between effective learning and entrepreneurship development in Nigeria.

$H_A$: There is a positive relationship between effective learning and entrepreneurship development in Nigeria.

2 REVIEW OF RELATED LITERATURE
2.1 Conceptual Clarification

It will be necessary define some words as they are used operationally. This words are Learning and Entrepreneurship.

Learning is defined as relatively permanent change in behavior as a result of reinforced practice. The change in behavior does include change due to illness, fatigue, maturation and use of intoxicants (Chauhan, 1985).

The term entrepreneurship was first used by Richard Cantillion, an Irish living in 1755; Cantillon claimed that the essence of the function of the entrepreneur is to bear risk. According to Ijeoma (2005), the word entrepreneurship may described in terms of specific functions which the entrepreneur performs or in terms of characteristics and generally associated activities which the entrepreneur is expected to perform. Banjoko (2003), states that entrepreneurs are the pivot on which the economy of a nation rotates and a nation that lacks entrepreneurs finds it difficult to industrialized and grow economically. Entrepreneurship can be developed through fiscal policies, training and guidance. Ejiogu (2004) summarized the concept as a person who identifies business opportunities and organizes the required resources to initiate successful business activity.

2.2 Conceptual Framework

Whereas entrepreneurs are individuals or persons, entrepreneurship is a process. It is based on this perspective that Hisrich, Peters and Shepherd (2005) posit that entrepreneurship is a process of creating something new with value by devoting the necessary time and efforts assuming the accompanying financial, psychological, behavioral and social risks and receiving the resulting rewards of monetary and personal satisfaction and independence. Dolliner (2008) perceives it as the creation of an innovative economic organization for the purpose of gain or growth under conditions of risks and uncertainty. To Thorbjorn and Richard (2008), entrepreneurship is the act of creating a new combination that ends one economic order and clears the way for a new one. These views of entrepreneurship include all enterprises in new fields or in older ones at all economic levels (that is at all levels of business whether small or big enterprise e.g. Agriculture, Manufacturing, Distribution, Processing and Services).

The development of entrepreneurship boils down to a fairly simple principle that human beings are endowed with the urge to create or to bring into being something that has never existed or never worked so well before (Ile, 2001).

Schumpeters (1934) describes entrepreneurship as a process of innovation, the carrying out of new combinations of already existing productive means.

The understanding of business mentoring and learning process relating to entrepreneurship development is of great importance. The learning process that is involved in business and entrepreneurship development is poorly understood, yet programmes have been devised and interventions are made in entrepreneurship development (Sullivan, 2000). Furthermore, Sullivan (2000) posits that business mentoring is a means of supporting new-start entrepreneurs through the provision of “expert” help and assistance in overcoming problems. The business mentor gives the entrepreneur a useful insight into running a business perhaps through learning from the mentor’s previous experience.

Beach (1980) defines entrepreneurial learning as the human process by which skills, knowledge, habit and attitude are acquired and altered in such a way that entrepreneur’s behavior is modified.

Perhaps most crucially, this definition highlights learning as achieved only where it becomes or leads to some intention to behave in a modified way. Another view comes from Kolb (1984) who stated that learning was experiential, “a process whereby concept are derived from and continuously modified by experience … an emergent process whose outcomes represent only historical record not knowledge of the future”. This concept of “emergence” or continuous development is one that sits well with contemporary thought and the ideology” of such as total quality management and organizational learning. As report in Rae and Carswell (1999), Watson and Harris (1999) believe that the notion of emergence can help us explore how people learn continually through changing, doing, experimenting and redefining their sense of how they work in a whole life process of development. It may also be argued that learning entails “not only a process of adaptive learning in order to cope with change and survive, but also what has been deemed as “generative” learning which embodies the capacity to create and “bring forward” experience, rather than wait for (and learn from) it”. This process may also include bringing forward the learning of the customer and other stakeholders (Hamel and Prahalad, 1994).
2.3 Theoretical Framework

This study is anchored on two sets of theories namely: Social Cognitive Career Theory (SCCT) propounded by Lent Brown and Hackett (1994) and Behavioral – Elastic Model by John Kunkel. In essence, “Social Cognitive Career Theory” (SSCT) proposes that career interests, goals and choices are related to self-efficacy, beliefs and outcome expectations. Based on this, mentoring and learning activities that enhance entrepreneurs’ self-efficacy and outcome expectations will increase their interest and goals for an entrepreneurial career. SSCT is, therefore chosen among various entrepreneurship models because it holds some premise on the front of prediction and inculcation of entrepreneurial behavior which business mentoring and learning are meant to achieve. Self-efficacy is the people’s judgments of their capabilities to organize and execute course of action required to attain designated type of performance. Whereas self-efficacy is concerned with “Will I be able to do this “outcomes are concerned with “If I do this, then what will be the result?” Entrepreneurship mentoring envisions and is characterized by a systematic cultivation and development of the natural entrepreneurial skills by inculcation through instruction and training.

The Behavioral-Elastic Model as cited by Agbaeze (2007) posits that entrepreneurship is a function of past and present social structure milieu; adding that it is influenced by identifiable sociological factors. His emphasis is on reward and punishment syndrome. Entrepreneurship pursuit in this context involves calculable risks and an associated reward. It is the societal values and norms that determine the entrepreneurial skills. He concludes that certain government policies in this regard could facilitate or discourage entrepreneurship (Kunkel as cited by Agbaeze, 2007).

2.4 Roles of Business Mentoring in Entrepreneurship Development

Business Mentoring takes place in a variety of social-economic contexts and as such its precise role may change depending on the environment and the objectives of that mentoring relationship. While a mentoring cannot effectively “lecture” to an individual entrepreneur’s prior experience, they may be in a position to give meaning to or aid understanding of that experience (Sullivan, 2000). The role of the mentor is to enable the entrepreneur to reflect on actions and perhaps to modified future action as a result; it is about enabling behavioral and attitudinal change. In all, it is about facilitation that enables the entrepreneur dissect, reflect and learn from what could be termed “critical” incidents”. This type of research is supported by work undertaken by Deakins and Freel (1996) that revealed that the entrepreneur acquires the ability to learn through experience and that learning process appeared to be the result of critical incidents in which the entrepreneur required to make strategic and/or operational decisions. Such an approach (of experiential learning) is evident in the thoughts of Williams (1998) that is goal directed, experiences are the substance from which learning emerges; beliefs- i.e. norms and values, and through them behavior- reflect achieved learning. Perhaps of greater importance, in this context, is the view of entrepreneurs who, when asked by Choueke and Armstrong (1992) to identify which format of learning was influential in their personal development responded: Past experience (95 percent of the sample), Learning from colleagues (61 percent) and Self –learning (54 percent). Again such a view was supported through earlier work by Armstrong (1990) that also found experience to be the major source of learning. If we accept such findings then we need to find ways to help entrepreneurs to reflect on any learning from critical incidents In other words, we need to encourage and facilitate double-loop learning.

2.5 The Nature and Timing of Support

Assuming that entrepreneurial teaching is largely experiential then one must consider the notion that entrepreneurs may demand specific skills and encounter specific incidents at certain times in their career. In particular, we would wish to support entrepreneurs as and when they have experienced a critical incident in order to facilitate double-loop learning. In attempting to recognize the evolution of entrepreneurs and their enterprises “a life cycle approach or model” would usefully reflect the types of challenges businesses encounter as they mature. One such model is the Churchill Phase of Management Model. Essentially, Churchill portrays business moving through a life-cycle over which the managerial needs and, therefore, the nature of support required would alter. The phase of management and the challenges likely to be encountered in each phase are shown in table 1.
Table 1: Phases of Management

<table>
<thead>
<tr>
<th>Phase 1</th>
<th>Phase 2</th>
<th>Phase 3</th>
<th>Phase 4</th>
<th>Phase 5</th>
<th>Phase 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop variable product/service</td>
<td>Sufficient sales for breakdown</td>
<td>Maintain customer base and market niche</td>
<td>Developing resources and sales for growth</td>
<td>Maintain adequate cashflow and establish expense controls</td>
<td>Control financial gain from growth and eliminate inefficiencies</td>
</tr>
<tr>
<td>Deliver product/service</td>
<td>Generate cash to grow, pay expenses, service in business</td>
<td>Eliminate problems draining cash</td>
<td>Develop management and internal systems to growth</td>
<td>Increasing customer based and market share</td>
<td>Professionalizing management, finance, budget, etc.</td>
</tr>
<tr>
<td>Develop an adequate customer base</td>
<td>Continue business development within niche</td>
<td>Company can stay here learning environmental/other changes</td>
<td>If cashflow outstrips growth, firm may drop back to earlier phrase or go bankrupt</td>
<td>Professional managers may replace original owner</td>
<td>Well developed financial resources</td>
</tr>
</tbody>
</table>

Source: Adapted from Churchill and Lewis, 1983.

In response to meeting such challenges, Churchill’s work identified the management of leadership skills that entrepreneurs received as being of most important during each particular phase as shown in Table 2

Table 2: Top Ten Management/Leadership skills Per Phase

<table>
<thead>
<tr>
<th>Phase 1 Conception</th>
<th>Phase 2 Survival</th>
<th>Phase 3 Stabilization</th>
<th>Phase 4 Growth Orientation</th>
<th>Phase 5 Rapid Growth</th>
<th>Phase 6 Resource Maturity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>Financial Management</td>
<td>Financial Management</td>
<td>Communication</td>
<td>Communication</td>
<td>Communication</td>
</tr>
<tr>
<td>Administration</td>
<td>Communication</td>
<td>Vision</td>
<td>Motivating others</td>
<td>Vision</td>
<td>Motivating others</td>
</tr>
<tr>
<td>Vision</td>
<td>Marketing</td>
<td>Planning and goal setting</td>
<td>Financial management</td>
<td>Planning and goal setting</td>
<td>Financial management</td>
</tr>
<tr>
<td>Time Management</td>
<td>Vision</td>
<td>Communication</td>
<td>Vision</td>
<td>Financial management</td>
<td>Planning and goal setting</td>
</tr>
<tr>
<td>Planning/goal setting</td>
<td>Motivating others</td>
<td>Motivating others</td>
<td>Planning/ goal setting</td>
<td>Problem solving decision making</td>
<td>Problem solving decision making</td>
</tr>
<tr>
<td>Human resources</td>
<td>Planning/ goal setting</td>
<td>Relationship building</td>
<td>Relationship building</td>
<td>Relationship building</td>
<td>Customer/vendor relations</td>
</tr>
<tr>
<td>Business and technical knowledge</td>
<td>Customer/vendor relations</td>
<td>Problem solving/ decision making</td>
<td>Business technical knowledge</td>
<td>Motivating self</td>
<td>Ethics/culture knowledge</td>
</tr>
<tr>
<td>Financial management</td>
<td>Employee development</td>
<td>Employee development</td>
<td>Problem solving/decision making</td>
<td>Leadership/management skills</td>
<td>Motivating self</td>
</tr>
<tr>
<td>Problem solving/decision making</td>
<td>Problems solving/ decision making</td>
<td>Marketing</td>
<td>Leadership/management skills</td>
<td>Human resources</td>
<td>Leadership/management skills</td>
</tr>
<tr>
<td>Leadership/management skills</td>
<td>Business/technical knowledge</td>
<td>Business/technical knowledge</td>
<td>Human resources</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: Adapted from Churchill and Lewis, 1983.

The original Churchill Lewis model (1983) was revalidate and updated as the result of additional research. This research found that while there are distinctive and predictable stages in growth, these do not necessarily happen...
sequentially. It was therefore felt proper to rename stages as phases to highlight the non-sequential nature of the model. This fits the research conducted by Deakins and Freel (1996) that learning and ability progress in a series of disconnected jumps which depend on the experience of the entrepreneur.

Onyeizugbe (2011) posits that National University Commission in Nigeria has not pursued that implementation of policy on business mentoring and entrepreneurial learning to fully exploit the potentials of the entrepreneurs usefully. Williams (1998) developed a process model of organizational learning that incorporates four common characteristics of individual and organizational learning namely:

- Goal-directed-organizational learning occurs within context of the mission and strategic goals of the organization.
- Based on experience- consisting of the confirming/disconfirming experiences of decision-making agents, e.g. top management teams
- Impacts behaviors and cognition- Beliefs of the decision making agents, particularly beliefs relating to powerful stakeholders, are formed, strengthened, or weakened as a result of these experiences.
- Changes are relatively stable- Once beliefs are commonly held; they become embedded in the culture of the organization through associated artifacts. Organization culture is therefore, an input as well as an output of learning experiences.

3 METHODOLOGY

This study is limited to six states in Nigeria. The selected states are Rivers state, Anambra state, Lagos state, Benue state, Kaduna state and Borno state. These states were selected from the six geo-political zones of Nigeria via simple random sampling technique. From the 6 states, a sample of 131 people was selected through proportionate stratified random sampling method. Data for this study were collected from both primary and secondary sources. The primary data were collected from systematically planned questionnaire administered to the members of the sample. Added to this were oral interviews conducted with some members of the sample essentially to elicit their views, opinions, attitudes and preferences regarding business mentoring and entrepreneurship development in Nigeria. The structured questionnaire instrument was validated to ensure that it measured what it is supposed to (adequate coverage of the research topic), construct validity (capacity of the instrument, to actually measure the meaning of the concept/construct of the research). Some copies of the questionnaire were given to some selected members of the respondents. The aim was to ascertain the extent to which they understood the content of the instrument. Using Spearman’s rank correlation approach, the reliability of the instrument was ascertained.

The secondary data were obtained basically from journals as well as texts. The secondary data were adjudged to be reliable because they were published by renowned authors.

The data obtained were presented in tables and corresponding values expressed in percentages. Pearson Product Moment Correlation was used for testing the hypothesis and t-test was used for testing the level of significance of the correlation at 5% error and 2-degrees of freedom.
4 DATA ANALYSIS

Table 3: Contingency Table on the Correlation between Effective Learning and Entrepreneurship Development in Nigeria

<table>
<thead>
<tr>
<th>Paired observation of x and y, n = 5</th>
<th>Business mentoring can facilitate the acquisition of entrepreneurial skills among Nigerians</th>
<th>Entrepreneurial skills can be acquired through effective learning rooted in business mentoring</th>
<th>x²</th>
<th>y²</th>
<th>xy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly agree</td>
<td>42</td>
<td>40</td>
<td>1764</td>
<td>1600</td>
<td>1680</td>
</tr>
<tr>
<td>Agree</td>
<td>36</td>
<td>41</td>
<td>1296</td>
<td>1681</td>
<td>1476</td>
</tr>
<tr>
<td>Indifference Disagree</td>
<td>22</td>
<td>21</td>
<td>484</td>
<td>441</td>
<td>462</td>
</tr>
<tr>
<td>Strongly disagree</td>
<td>17</td>
<td>16</td>
<td>289</td>
<td>256</td>
<td>272</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>131</strong></td>
<td><strong>131</strong></td>
<td><strong>4029</strong></td>
<td><strong>4203</strong></td>
<td><strong>4100</strong></td>
</tr>
</tbody>
</table>


If we refer to the computation in Annexure A₁ and A₂, we have the following:

The sampled correlation coefficient \( r = 0.98 \)

Coefficient of determination \( r^2 = 0.9604 \)

Number of paired observations \( n = 5 \)

Critical value of \( t = 3.182 \)

Calculated value of \( t = 8.54 \)

Source: Statistical Analysis (Annexure A₁ and A₂). The computation of \( r \) using data in table 3 gave a value of 0.98. This indicates that there is a positive relationship between effective learning and entrepreneurship development in Nigeria.

A necessary and sufficient condition (NASC) for us to make inference about the population based on the sample correlation coefficient (\( r \)) is to test for the significance of the correlation.

In other words, at 5% error can we conclude that the population correlation coefficient is different from zero or whether the value obtained above could be attributed to chance? The test to achieve this is test of significance of correlation coefficient.

Still referring to annexure A₁ and A₂, we have:

Ho: \( \rho = 0 \), the correction in the population is zero.
H₀: \( \rho = 0 \), the correlation in the population is different from zero.

Critical value of \( t = 3.182 \)

Calculated value of \( t = 8.54 \)

**Decision rule:**

Reject Ho if the calculated \( t \) is less than -3.182 or greater than 3.182.

Do not reject Ho if the calculated \( t \) lies between -3.182 and 3.182.

**Decision:**

Since calculated \( t \) is greater than 3.182, we reject Ho and then conclude that the correlation in the population is different from zero.

By inference from this analysis, we reject the null hypothesis. And, by extension, we accept the alternate hypothesis which states that there is a positive relationship between effective learning and entrepreneurship development in Nigeria.

**5. FINDINGS**

The findings of the test of the hypothesis show that there is a significant positive relationship between effective learning and entrepreneurship development. This is in line with the position of Armstrong (1990) that learning from critical incidents (double-loop learning) can affect the development of entrepreneurs. This finding is also in line with Churchill phases of management model which portrays entrepreneurship business as moving through a life-cycle over which the entrepreneur needs to learn from the mentor in tackling the challenges of the business life cycle. This also supports the view of Argyris (1992) that entrepreneurs require effective learning capability if they are to succeed in a complex, competitive and challenging business world.

**6. CONCLUSION**

The importance of effective learning to entrepreneurship development in Nigeria is beyond reasonable doubt in ever-changing dynamic business world. We believe that effective learning is well-served through a mentoring relationship where entrepreneurs are encouraged to engage in reflective learning. We believe that the support of a mentor with suitable skills, knowledge and experience together with access to appropriate expertise elsewhere represents an effective support system. Such as the Churchill and Lewis life cycle development approach could prove useful in identifying the skills and knowledge to be required at developmental phases, but the point at which specific entrepreneurs and business reach those phases is likely to differ. It is the mentors who could provide a useful service in identifying development where knowledge and skills are required and give support in accessing the appropriate training or other provision to meet identified needs.
7. RECOMMENDATIONS

Based on the findings, it is imperative that steps should be taken to enhance business mentoring for entrepreneurship development in Nigeria. The National University Commission should as a matter of urgency introduce business mentoring in the University curricula to fully exploit the potentials of entrepreneurs. There is, however, a need for additional longitudinal research into the long-term impact of mentoring relations vis-a-vis other support mechanisms, and, of cost-benefit analysis of various options over the longer term. Those responsible for supporting new-start programmes require engaging in some analysis as to the effectiveness of alternative programmes of mentoring.

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ANNEXURE A

Computation of Hypothesis 1 Results Based on the Data Collected from the Respondents and Test of Level of Significance for the coefficient Correlation.

Recall that Pearson’s product moment correlation coefficient for a sample is given by:

\[
 r = \frac{n\sum xy - \sum x \sum y}{\sqrt{(n\sum x^2 - (\sum x)^2)(n\sum y^2 - (\sum y)^2)}}
\]

\[n = 5, \sum x = 131, \sum y = 131, \sum x^2 = 4029 \]

\[\Rightarrow \sum y^2 = 4203, \sum xy = 4100 \]

\[r = \frac{5(4100) - (131)(131)}{\sqrt{[5(4029) - (131)^2][5(4203) - (131)^2]}} \]

\[= \frac{3339}{3391.21} = 0.98 \]

Coefficient of determination \( r^2 = (0.98)^2 = 0.9604 \)

Recall that the formula for the t-test for the correlation coefficient is given by

\[t = r \sqrt{\frac{n-2}{1-r^2}} \quad ; \text{with } n-2 \text{ degrees of freedom} \]

Substitute \( r = 0.98, \quad n = 5, \) to obtain:

\[t = 0.98 \sqrt{\frac{5-2}{1-(0.98)^2}} = 0.98 \sqrt{\frac{3}{1-0.9604}} \]

\[= 8.54 \]
ANNEXURE A

Student's t Distribution

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