

A Critical Analysis on the Impact of Environmental Dynamics on Intelligence Development in Kenya

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ABSTRACT

The rationale of this analysis was to conduct a critical analysis on the impact of environmental dynamics on intelligence development in Kenya. This critical analysis sought to establish the social-cultural determinants that affect intelligence development in Kenya. To critically analyze the impact of socialization on intelligence development. To critically analyze how experience affects intelligence development in Kenya. To critically analyze how education affects intelligence development and to critically analyze how social-interaction affects intelligence development. The study adopted a qualitative research methodology and a critical analysis research design to analyze data. This article reviews research on the environmental dynamics affecting intelligence development in order to understand various determinants that are widely researched to affect intelligence development either in a positive or negative manner.

Key Words: environmental dynamics, intelligence, development, socio-cultural determinants, socialization, experience, education and interaction

1.0 INTRODUCTION

Social cultural influences are said to shape the mind and behavior of an individual. Intelligence development has been studied comprehensively both in adult and children but far less is known about the development of mental abilities. Many behavior involving environmental influences yield the largely consistent result that environmental influences account for at least 50% of the observed unevenness in cognition in adults. According to Bouchard and his colleagues

(1990) each type of affinity, from identical twins to parents and children, Intellect scores are more alike for pairs of people who were nurtured together than pairs of people who were reared apart. This result holds even for people who are distinct. These findings suggest that environmental factors also affect intelligence.

In this article the researchers aimed at finding out how the environmental dynamics affects the development of intelligence whether positively or negatively. This article also aimed at educating parents on the kind of environment that is favorable and beneficial in raising their children to avoid negative influences. The researchers also wanted to determine whether the trend concerning development of intelligence has taken a step forward into assisting children whose mental capability is below average and accepting them in the society despite their challenges.

2.0 STATEMENT OF THE PROBLEM

Despite the fact that intelligence stabilizes in early adulthood, it is thought that environmental determinants come to play more overall in our intelligence development. Up to 80% of the disparity found in adult human aptitude is thought to be attributable to the setting despite the fact that it is complicated. Over and over again it's complicated to detach comparative effects of the surrounding on individual uniqueness. This is because it is rigid to recognize if the influences are owed to the environment only.

However, a considerable research asserts that environmental

determinants such as home environment, parental styles and school affect intelligence. It is on this basis which has provoked the researchers to carry out a critical analysis to establish the main impacts of environment on development of intelligence.

3.0 PURPOSE OF THE STUDY

The purpose of the study was to critically analyze the impact of environmental dynamics on the development of intelligence in Kenya.

4.0 RESEARCH OBJECTIVES

1. A critical analysis on the impacts of socio-cultural determinants on intelligence development in Kenya.
2. A critical analysis on the impact of education on intelligence development in Kenya
3. A critical analysis on the impact of experience on intelligence development in Kenya.
4. A critical analysis on the impact of socialization on intelligence development in Kenya.

5.0 RESEARCH QUESTIONS

1. How has socio-cultural determinants affected intelligence development in Kenya?
2. What are the impacts of education on intelligence development in Kenya?
3. What are the impacts of experience on intelligence development in Kenya?
4. How has socialization affected intelligence development in Kenya?

5.0 SIGNIFICANCE OF THE STUDY

The aim of this critical analysis was to investigate the impacts of environmental dynamics on intelligence development in Kenya. This critical analysis increased and added available knowledge in the field of psychology on the various determinants that influenced and affect intelligence development.

This critical analysis may add more knowledge to learners who are educated since they will be able to encourage fresh cohorts to form practical peer groups' hence boosting social interaction which influences intelligence development. The findings on this critical analysis may also promote awareness to the learners, parents and also teachers on the social cultural influences that are widely putative affecting intelligence development taking into account different cultures that each one of us follows.

6.0 RESEARCH METHODOLOGY

This critical analysis adopted a qualitative research methodology. Qualitative methodology is a method of inquiry employed in many different disciplines. This methodology is suitable for the critical analysis for it helps gain an understanding and provides insight on the impacts of environmental dynamics on intelligence development.

7.0 LITERATURE REVIEW CRITIQUE

7.1 impact of socio-cultural determinants on intelligence development

Kelly and Woreil (1977) indicated that it is palpable that cultural environment, how people live and what they do have a crucial effect on intellectual skills of an individual. The environment has a lot of motivations that learners are subjected to, this motivations, inspirations and stimulations play a major role in intelligence development. Home environment is the first learning setting that a learner is subjected to when developing during his early years. Bouchard Junior (1997) stated that Learners who are subjected to obtainable possessions in the home setting and have a favorable environment are associated with higher scores of intelligence development. An earnest home environment encourages exploration and a lot of discoveries to the learner this leads to a higher intellectual competence learners. This is to say that learners who are in a position to access

basic essentials will automatically boost their intelligence development.

7.2 impact of socialization on intelligence development

According to Wikipedia, (2004) socialization refers to the ultimate process of receiving and propagating norms, customs and thoughts providing an individual with the aids crucial for contributing in the society

Oscar Ybarra & colleagues (2008) stated that individuals are communal creatures. They occupy much of their time with others in groups. It's not time, swiftness or strength that distinguishes human from other beings but intelligence. Societies who engage in social interaction display high levels of mental enactment than the control group. Social interaction backs intellectual performance and helps to exercise people's minds. As people engage socially and psychologically with others they receive comparatively immediate rational boosts. Socialization is acute both to individuals and to the societies in which they live.

Researchers diagnose the prominence of socialization for healthy individual and communal development. Socialization also is the key fragment of individual progress affected by social environment which one is raised. Socialization is divided into three different forms. One of them is group socialization whereby peer groups impact disposition and performance in adulthood. Henslin (1999) explains gender socialization which is another crucial part whereby it deals with learning of diverse gender roles. Cultural socialization deals with nurturing practices that clarify to learner's ethnic antiquity or legacy. This form of socialization plays a very vital role in the inspiration or impact of intelligence development.

7.3 Impact of experience on intelligence development

According to Wikipedia, (2004) experience is the skills, information and familiarity gained due to contact and

publicity. Gazzaniga, Michaels (1988) stated that an experience modifies intellect configurations in addition to which certain experiences also have explicit effect taking place in the mind. Brainpower crafts and enacts configuration on the content obtainable from our acquaintances.

Harvard university center on developing child (2011) states that experiences of initial stages and initial childhood provide the unifying background for the manifestation of learner's aptitude, sensations and dispositions. When those know-how's are mainly destructive, learners may change expressive, interactive and learning problems that carry on throughout their lifetime.

7.4 impact of education on intelligence development

John Dewey (1916) defined education as a social progression of livelihood and not training for prospect living. Richard and sackers (2003) stated that educational accomplishment is concomitant with many life consequences for example income, profession and many fitness and lifestyle variables. Many people think that bright people do lengthy trainings resulting to them being bright. Education and intelligence have been researched together and it has been concluded that there subsists a rapport between the two.

According to Johnson, Deary and Lacono (2009), attainments and school evaluations are linked with an entity's intelligence. Some individuals are born intelligent which is associated with high levels of understanding which in turn results to them performing better. Osler et.al (2007) stated that individuals with lower intellectual capability devote a lot of years learning and yet they don't have high levels of intelligence. This is to say that long schooling does not basically mean high ranks of intelligence. However, long schooling on diverse levels of schooling boosts personal intelligence.

8.0 CONCLUSION

From this critical analysis, it can be clinched that despite the fact that intelligence alleviates in the initial stages of adulthood, environmental determinants play a vibrant role in ensuring that in the early stages of learners, elements such as home environment, parenting styles and schooling should be taken into contemplation since the perception of intelligence development seems to be essential in all ages.

The concept of intelligence development is associated with the speed of processing information and the memory capacity which directly affects behavior change. It is obvious that intelligence development is affected by a number of contributing factors such as social-cultural development, socialization, experience and education which should be taken into account. This critical analysis has noted that intelligence development is highly affected by conducive social-cultural determinant, acquisitions of skills and habits necessary to perform in the society through socialization, high level of education and experiences gained from initial stages of early childhood.

All concerned significant others need concerted effort to ensure environmental dynamics, determinants or elements needed in intelligence development should be carefully scrutinized to be free from negative influences.

9.0 RECOMMENDATIONS

This critical analysis advocates that all stakeholders, participants and concerned significant others should ensure that:

- 1) Social-cultural determinants such as parenting styles and schooling should be taken into account to

ensure individuals have access to positive role models so as to boost upright behavior.

- 2) Different forms of socialization are input to individual progress which should be taken into meditation to ensure expected behaviors are achieved.
- 3) Certain experiences have precise effects on individuals and should be taken into account so as to heighten intelligence development.
- 4) It is also important that skills and behaviors acquired to help achieve in the society and knowledge gained through education should be broadly scrutinized in order to ensure progressive impact in intelligence development.

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