EMOTIONAL INTELLIGENCE AND CRITICAL THINKING AS CORRELATES OF RESTIVENESS TENDENCIES AMONG COLLEGES OF EDUCATION STUDENTS IN NIGER-DELTA, NIGERIA

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A Ph.D. THESIS REPORT PRESENTED TO THE DEPARTMENT OF SOCIAL SCIENCES EDUCATION, FACULTY OF EDUCATION, UNIVERSITY OF ILORIN, ILORIN, NIGERIA, IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF DOCTOR OF PHILOSOPHY (Ph.D.) DEGREE IN EDUCATIONAL PSYCHOLOGY

APRIL, 2021

DECLARATION

I hereby declare that this study entitled "Emotional Intelligence and Critical Thinking as Correlates of Restiveness Tendencies among Colleges of Education Students in Niger-Delta, Nigeria" was conducted by me and it has been the record of my own work. I also proclaim that neither the whole work nor any of it has been, is being, or is to be submitted for another degree at this or any other University or examining body.

Signature:....

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CERTIFICATION

This is to certify that this study, entitled Emotional Intelligence and Critical Thinking as Correlates of Restiveness Tendencies among Colleges of Education Students in Niger-Delta, Nigeria by ILENAGBE, Ese Osazuwa (97/68OH001), has been read and approved as meeting part of the requirements of the Department of Social Sciences Education, Faculty of Education, University of Ilorin, Ilorin, Nigeria for the award of Doctor of Philosophy (Ph.D. Degree) in Educational Psychology.

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DEDICATION

This thesis is dedicated to my late parents Hon. Chief Ogbemudia Simeon and Madam Ogbemudia Elizabeth who through thick and thin guided my path in life.

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ABSTRACT

The rising wave of restiveness culminating in insecurity is quite alarming and has led to the closure of schools, number of lives lost and the disruption of productive activities. However, lack of development of emotional intelligence (EI) and critical thinking CT), could make youths to act impulsively and take wrong decisions. Similarly, the involvement of youths in violent behaviours due to youths' restiveness in the Niger-Delta and its attendant consequences have been a source of concern to teachers, parents, the government and other stakeholders. The aim of this study was to examine EI and CT as correlates of restiveness tendencies among Colleges of Education students in the Niger-Delta, Nigeria. Specifically, the study examined: (i) the level of EI among the students; (ii) the common dimension of EI and CT skills among the students; (iii) level of CT among the students; (iv) level of restiveness tendencies among the students; and (v) EI and CT as correlates of restiveness tendencies among Colleges of Education students in the Niger-Delta.

The study adopted the descriptive survey research design of correlational type. The population for this study was all the Colleges of Education students in the Niger-Delta. Purposive sampling technique was used to sample only the government owned, (Federal/State). Simple random sampling technique was used in selecting 3 Federal and 9 State Colleges of Education from each stratum. The target population was 11198 NCE II students, while 1119 students were sampled for this study. Emotional Intelligence Scale (EIS) and Youth Restiveness Tendencies Inventory (RATI) were adapted to measure EI and restiveness tendencies respectively. Similarly, Owolabi Critical Thinking Test (OCTT) was adopted to measure the CT skills. Percentage and mean rating were used to answer research questions, while Multiple Regression statistical technique was used to test the formulated hypothesis at 0.05, level of significance.

The findings of the study revealed that:

- i. the level of EI among Colleges of Education students in Niger-Delta was average; (62%).
- ii. the common dimension of EI and CT skills among Colleges of Education students in Niger-Delta were self-awareness and test of inference respectively.
- iii. the level of CT among Colleges of Education students in Niger-Delta, Nigeria was average; (76.7%)
- iv. the level of restiveness tendenies among Colleges of Education students in Niger-Delta, Nigeria was average; (77.1%) and
- v. there was a significant relationship among EI, CT and restiveness tendencies of the Colleges of Education students in Niger-Delta. (df = 1116, F=184.85; $\rho < .00$).

The study concluded that there was significant relationship among EI, CT and restiveness tendencies of the Colleges of Education students in Niger-Delta. The implication is that EI and CT could be used to reduce restiveness tendencies among colleges of education students, because their EI and CT levels were average. It was therefore recommended that educational psychologists and school authorities should find ways to increase the level of EI and CT thereby reducing restiveness tendencies to the barest minimum.

REFERENCES

- Aaron, K. (2008). The failure of corporate sociallresponsibility in theNiger Delta. Toward a reinterpretation. Conference on the Nigeria State, oil and the Niger Delta, organised by the Department of political Science, Nigeria, Delta University, Wilberforce Island, March 11-13, 2008.
- Adam, J. S. (1965). Inequality in social exchange. In L Berkowitz (Ed.), *Advances in Experimental Social Psychology (pp. 267 299). New York: Academic Press.*
- Adegboyega, L. O., Idowu, A. I. & Mowaiye-Fagbemi, O. (2017). Relationship attitude towards examination between emotional intelligenceof undergraduates at university of Ilorin. *Asia Pacific Journal of Multidisciplinary Research*, 5(1), 85-93.
- Adeoye, H. & Emeka, A. E. (2010). Emotional intelligence and self-efficacy as determinant of academic achievement in English Language among students in Oyo State senior secondary schools. http://www.Project.com.
- Adesope, O. O., Lavin, T., Thompson, T. & Ungerleider, C. (2010) AS systematic Review and Meta-Analysis of the Cognitive Correlates of Bilingualism. https://journals. Sage pub.com
- Adewale, J. G. (2005). Socio-economic factor related with urbanrura1migration in Nigeria: A case study of Oyo State, Nigeria. *Journalof1human ecology (Delhi, India), 17*(1), 45 51.
- Adewumi, T. D. O. (2008). Utilisation of self-counselling theories for youth peer relationship. *The Lagos Counsellor*, I(1), 5-21.
- Adunbi, O. (2015). Oil wealth and insurgency in Nigeria. *Indiana University Press, Bloomington, Indiana*.
- Agina-Obu, T. N. (2008). CurbingYouthRestiveness1in the NigerDeltaRegionofNigeri1a: The Relevance of Sports. *AFRIKA FOCUS 2 (1), 109-129*).
- Ajagbe, A. M. (2011). The relationship between strategic planning and the effectiveness of marketing operations. *International Journal of Innovation Management & Technology*, 2(5), 390 396.
- Akinboye, U. B. (1987). Careeraspirationamongado1lescents. *Vocational Guidance Quarterly*, 12, 17 26.
- Akubo, J. (2019). Killings in the Niger Delta. *The Guardian News Paper*@3rd May, 2019. https://m.guardian.ng.
- Ali, M. & Ali, K. (2016). The relationship between emotional intelligence and academic achievements in males and females in Egyptian context. *Psychology Research*, 6(10), 567 57.

- Anasi, S. N. A. (2010). CurbingRestivenessinNigeria: The Information Roles and Libraries. Library & Proactive (e-journal). 388.http://digital commons.unl.edu/ libphilprac. 388.
- Asuai, N. C. (2013). Impact of critical thinking on performance in Mathematics among senior secondary school students in Lagos State. *IOSR Journal of Research & Method in Education (IOSR-JRME)* 3(5), 18 25.
- Atkinson, A. B. (1975.). The economics of inequality. Oxford University Press, Oxford.
- Azodi, P., Jahanpour, F. & Sharif, F., (2010). Comparisonoheskil1s of criticalthinkinginthe studentsBoshehrUniversityofmedicalsciences. *Journal of Electronic Learning*, 2, 78 84.
- Azuatalam, C. (2013). How to curb youth's restiveness in Niger Delta, by council chair. http://thenationlineng.net.
- Baimeister, N. (2016). Longitudinal study of procrastination performance, stress, and health the cost & benefits of dawdling. *Psychological Science*, 8(6), 454 -458.ibu. publication">https://www.researchgate.net>publication.
- Bandura, A. (1999). A cognitivesocialtheory of personality. In L. Pervin & O. John (Ed.). Handbook of personality 92nd, pp. 154-196). New York: Guilford Publications.
- Barkhordari, M., Jalal Manesh, S. H. & Mahmodi, M. (2011). Critical thinking tendency among M.A. students of ShahidSadoghi and Islamic Azad Universities of medical sciences. *Iranian Journal of Journal of Education and Practice*, 69, 18 25.
- Bar-On, R. (2006). The Bar-modeloemotionall-social intelligence. University of Texas Medical Branch at Galveston> Department of Psychiatry and Behavioural Sciences.
- Bernstein, N. (2016). Bernstein Centre for computational neuroscience, Berlin. https://www.bernstein-network.
- Bloom, B. S. (Ed). (1956). *Taxonomyofeducationalobjectives1Theclassification ofeducational goals, handbook1Cognitive*. NewYorkNY1London.
- Borzabadi, D. & Movassagh, H. (2011). Therelationshipamongemotiona1intelligencecritical thinking, andspeakingability1of Iranian EFL learners. http://zunal.com/webquest.php?w=326045.
- Bowen, G. H. & Hilgard, E. R. (1984). Theories of learning. Englewood Cliffs, NJ: *Prentice-Hall*, 1981, 647 p. (Stanford University, CA).
- Chamundeswari, S. (2013). Emotional intelligence and academic achievement among students at the higher secondary level. *International Journal of Academic Research in Economics and Management Sciences*, 2(4), 178 187.

- Charles, R. P., Renae, J. C., & Raylene, M. R. (2004). The california Critical Thinking Instruments for Benchmarking 1 Program. *American Journal of Pharmaceutical Education*, 68(4), 101.
- Chika, P. E. & Onyene, V. (2010). YouthrestivenessinNigeria: Implication for Education and Leadership. *European Journal of Social Sciences*, 18(2), 286 296.
- Chukuezi, C. O. (2009). Poverty and youth restiveness in Nigeria: Implications for Development. *Ozean Journal of Social Science*, 2(2), 97 103.
- Chukwuemeka, E. E. O. & Agbara, V. N. O. (2010). Deltayouthrestivenesssocio-economic developmentofNigeria. *Educational Research and Reviews* 5(7), 400 407.
- Chukwuemeka, E. E. O. Anazodo, R. & Nzewi, H. (2011). Social conflict in the South-South, Nigeria: Implication for foreign investment. *Africa Journal of Political Science and International Relations* 5, 335 340.
- Chukwuka, C. U. (2014). Influence of emotional intelligence on secondary school students' achievement in chemical quantitative problem solving. An M.Ed. Theses, University of Nigeria, Nsukka.
- Cobbinah, A., Bamidele, S. T., Eshun, P. & Akande, J. A. (2017). Examining students' Mathematics achievement and their critical thinking abilities in selected senior high schools in cape coast metropolis. *Nigerian Journal of Educational Research and Evaluation*. 16(1), 100 110.
- Craig, B. M. & Lipp O. V. (2018). The influence of multiple social categories on emotion perception. *Journal of Experimental Social Psychology*, 75, 27-35. doi: 10. 1016/j. jesp. 2017.11.002.
- Croninger, R. G. & Lee, V. E. (2001). Social capital and dropping out of high school: benefits to at risk students of teachers' support and guidance. *Teachers College Record*, 103(4), 548 581.
- Cummins, R.A. (2014). Pioneer on subjective Well-being. *Applied Research in Quality of Life*, 9(2), 461 463.
- Dambudzo, (2009). The relationship between learners and self-concept and achievement in secondary schools in Zimbabwe. University of South Africa, Pretoria. http://hdl.handle.net/10500/2393>
- Defoe, I. N., Dubas, J. S., Finger, B. & Van Ake, M. A. (2015). *A Meta analysis on age differences in risk decision making: adolescent versus children and adults.* USA National Library of Medicine. 8600 Rockville Pike, Bethesda MD, 20894 USA.
- Ebenuwa-Okoh, E. E., Akpochafo, G. O. & Onoyase, A. (2013). Undergraduates' Perception of Causes of Youth Restiveness in Delta State of Nigeria. *International Journal of Business and Social Science*, 4(14), 142 147.

- Edward, K. (2017). Emotional labour in mental health nursing: An integrative systematic review. International Journal of Mental Health Nursing, 26(3), 45 52.
- Ekata, E. (2007). Perceived academic, emotional, and socialproblemsamongsecondaryschoolstudentsnIlorinmetropolis.An1M.Ed. Theses, University of Ilorin, Nigeria.
- Ekpeyong, O. A., Aniefiok, S. K. & Agha, E. O. (2010). Poverty: A potent conflict escalate in Nigeria's Niger Delta. http://www.bangladeshsociology.org/ sociop df/.
- Elder, L. & Paul, R. (2006). Critical thinking with concept. *Journal of Developmental Education*, 24(3), 42 48.
- Elder, L. & Paul, R. (2010). *Critical thinking development: A stage theory—foundation for critical thinking*. www.criticalthinking.org.
- Elegbeleye, O. S. (2005). Recreational facilities in schools. Panacea for youth Restiveness. *Journal of Human Ecology*, 18(2), 93 98.
- Enahoro, A. B. (2010). An evaluation of public relations' role in crisis management in selected tertiary institutions. *Makurdi Journal of Communication Research (MJCR)*, 1(1), 4.
- Ennis, R. H. (2002). An outline of goals for a critical thinking curriculum, Its Assessment. *Arailable: www. Faculty. Ed. Uiue. Edulrhennis.*
- Enweremadu, D. (200Theviciouscirclecorruptionandarmed conflictsintheNigerD1lta. Conference Proceedings, International Conference on the Nigerian State, oil and the Niger Delta, organised by the Department of Political Science, Niger Delta University, Wilberforce Island, 1March 11-13, 2008.
- Epelle, A. (2010)1Tamingthemonster:CriticalissuesinarrestingOrgyofyouths'restivenessin the NigerDeltaRegionofNigeriaInV.Ojakorotu&L.D1Gilbert(eds.).Checkmatingthe resurgence of oil violence in the Niger Delta of NigeriaIJohannesburg:SouthAfrica.
- Esere, M. O., Ajiboye, S. K., & Adebayo, D. O. (2015). Perceived causes of youth restiveness by security personnel in Ilorin metropolis. *The Counsellor*, 34(2), 126 132.
- Esmaeili, Z. & Bagheri, M. (2015). Evaluation of the relationship between critical thinking skills and effective control in child training. Student of the female technical and vocational college, Broujerd. *Journal of Education and Practice*, 6, 28 36.
- Facion, N. C. (1997). Critical thinking assessment in nursing education programs. An aggregate data analysis. Millbrae. C.A: California Academic press.
- Facion, P. A. (2011). Critical thinking: What it is and why it counts. <u>www.insight</u> assessment.com/9articles%20www.html.

- Fahim, M., Bagherkazemi, M. & Alemi, M. (2010)1TheRelationshipbetween test-takers' critical thinking ability5theirperformanceonthereading section of TOEFL1JournalofLanguage Teaching & Research, 1(6), 830.
- Farah, M. & Sultan, S. (2013). Emotional intelligence and academic achievement: Implications for children's performance in schools. *Journal of the Indian Academy of Applied Psychology*, 39(1), 51 59.
- Fatum, B. A. (2008). The relationship between emotional intelligence and academic achievement in elementary school children. Doctoral dissertations. 265. https://respository.usfca.edu/dis/265.
- Fayeye, J. (2018). Prioritizing the security of Nigerian public schools. An antidote against vulnerability and criminal victimization. 61st Annual National Congress of the All Nigeria Confederation of Principals of Secondary Schools (ANCOPSS NATIONAL), Akure. 2018.
- Federal Republic of Nigeria. (2004). National Policy on Education. Abuja. NERDC Press.
- Freiberg, H. J., Huzinec, C. & Templeton, S. (2009). Classroom management A pathway to Students' Achievement: A Study of Fourteen Inner City Elementary Schools. *The Elementary School Journal*, *I*(1), 91 100.
- Gardner, H. (1983). Multiple intelligences: New Horizons in Theory and Practice. https://www.goodreaders.com.
- Gbadura, A. O. (2018). Peer pressure, self-concept and emotional intelligence as predictors of academic achievement of secondary school students in North-central, Nigeria. An Unpublished PhD Thesis, University of Ilorin.
- Ghanizadeh, A. & Moafian, F. (201122Criticalthinking andemotiona1intelligenceInvestigating the relationshipamongEFLlearnersandthecontributionofageandgender1*Iranian Journal of Applied Linguistics (IJAL), 14*(1), 23 48.
- Gharib, M. (2006). Relationshipbetweriticalhinkingskills andtendencyo1critical thinking in the senior M. A. students of universities of TehranUniversityofMedicalSciences, Tehran, Iran.
- Gilligan, J. (1996). Violence: Our deadly epidemic and its causes. http://www.primal-page.com/violence. Htm.
- Gimba, A. (2002). Note book BSC (Violence) M.A. Cultism. *Nigerian Tribune*, 21st October, 2002.
- Goleman, D. (1995). *Emotional intelligence: Why it can matter more than IQ.* New York: Bantam Books.
- Goleman, D. (2001). Emotional intelligence: Perspectives on a theory of performance. *American Journal of Educational Research*, 5(10), 1097 1101.

- Halpern, D. F. (2003). Assessing the effectiveness of critical thinking instruction. *The Journal of General Education*, 270 280.
- Hasanpour, M., Bagheri, M., & Ghaedi Heidari, F. (2018). The relationship between emotional intelligence and critical thinking skills in Iranian nursing students. *Medical Journal of Islam Repub. Iran*, 32, 40. https://doi.org/10.14196/mjiri.32.40
- Hashemi, M. & Ghanizadeh, A. (2012). Critical discourse analysis and critical thinking: An experimental study in an EFL context. https://www.google.com,/article in system 2012. 01.009.
- Henning, E., Van Rensburg, W. & Smit, B. (2004). *Qualitative researching beyond tools and techniques. Finding your way in qualitative research.* Pretoria: Nan Schaik. ISBN 0 627 02545 5 pbk. Pages 179.
- Huang, Y. Z., Rothwell, J. C., Chin-Song, L. U., Chuang, W., Lin, W. & Chen, R. (2010). Reversal of paucity like effects in the human motor cortex. *The Journal of Physiology*, 588(19), 2 10.
- Ibaba, S. (2005). *Understanding the Niger crisis. Amethyst and colleagues*. Publishers, Port Harcourt.
- Igbo, H. I. & Ikpa, I. (2013). Causes, effects and ways of curbing youth restiveness in Nigeria: Implications for counselling of Education and Practice, 4(6), 13137.
- Ikelegbe, A. (2008). Encounters of insurgent youth associations with the states in the oil rich Niger Delta region of Nigeria. *Journal of Third World Studies*, 11(1), 151 181.
- Ilenagbe, E. (2008). Perceived academic, emotional and social problems of secondary students in Ilorin, Nigeria. *Nigerian Journal of Educational Foundations*, 7(1), 1116 0381.
- Jacob, A. A. & Athanisis, A. Y. (2019). The role of education in managing social vices & youth restiveness. *BSUjEM Vol.1 No 1 2019*.
- Javidi, K. J. T. & Abdoli, A. (2010). Evolutionary trend of critical thinking skills in the students of Ferdosi Mashhad University. *Journal of education*, 11(2), 67 74.
- Jekayinfa, A. A. (2008). Cults' activities in the Nigerian institutions of higher learning.
- Kamali, Z. & Fahim, M. (2011). The relationship between critical thinking ability of Iranian EFL learners & their Resilence level facing unfamiliar vocabulary items in reading. *Journal of Language Teaching & Research*, 2(1), 1798 4769.
- Kamla-Raj (2014) Academic self-concept and motivation as predictors of academic achievement. *Int. J. Education Sci.*, 6(3), 469 478.
- Khalili, H. & Babamohamadi, H. (2004)-5hecriticalthinkingskillsoftheSemnan university of Medical sciences. *Journal of Education in Medical Sciences* 4(12),2331.

- Khalili, H. (2009) *Investigatingthevalidityandreliabilityofcriticalthinkingskillsquestionnaireof California(formB)*. MThesis, Shahid Beheshti University of medical sciences, Tehran, Iran.
- Khodamoradi, K., (2011). Comparingthedegreeofcriticalthinkingskillsinthefreshmanand senior students of selective fields in the TehranUniversityofmedicalsciences. *Journal of medical in Azad University*, 21(2), 134-140.
- Krathwohl, D. (2010). A revision of Bloom's Taxonomy: An overview: Theory into Practice: Vol. 4: Revising Bloom's Taxonomy. https://doi.org/10.1207/s.15430421tip4104 2.
- Kvapil, L. (2007). The impact of emotional intelligence on the academic performance of at risk high school student. A Dissertation Presented to the School of Graduate Studies, University of the Incarnate Word.
- Lange, O. (1974). *Political economy*. General Problems. Pergamum Press and PWN-Polish Scientific Publishers, Warszawa.
- Lau, J., & Chan, J. (2018). *An introduction to critical thinking and creativity*. https://philosophy.hkuhk.
- Lawal, A. (2003) Semiotic perspectives on the place of linguistics competence in a theory of library competence. *Journal of Stylistics in Theory & Practice*, 11-24.
- Lazovic, S. (2012). The role and importance of emotional intelligence in knowledge management. https://ideas.repec.org.isv.MWp12.
- Ledonx, L. (2002). Synaptic self. ILL: Penguim Book.
- Leite, W. L., Marilla, S. & Yuying, S (2010). Attempted validation of the scores of the VARK: Learning styles inventory with multi-trait multi-method confirmatory factor analysis models. *Educational & Psychological Measurement*. ISSN: 0013-1644.
- Mahbobi, M., JafarianJazi, M. & Khorasani, A. (2012). Comparative investigation of critical thinking skills and tendency to critical thinking in the normal and disabled students, *Journal of Medical Medicine*, 14(4), 45 52.
- Marlow, L. & Inman, D. (2002). What Pre-School Teacher Professional Development Must Become in the 21st Century. *Journal of Thought*, *37*(3), 45-51. Retrieved from http://www.jstor.org/stable/42589711.
- Martinuzzi, A. (2014). *Impact thinking. Institute for Managing Sustainability*. www. CSR-IMPACT.eu 17. + 18. Sept. Brussels.
- Marx, K. & Engels, (1977). Communist Manifesto. Progress Publishers, Moscow.
- Mayer, J. D. & Barsade, S. G. (2008). Human Abilities: Emotional Intelligence. Department of Psychology, University of New Hampshire, Durham, New Hampshire. 03824, <u>USA.jack.mayer@unh.edu</u>.

- Mayer, J. D., Caruso, D. R. & Salovey, P. (2000). Models of emotional intelligence. In R. Sternberg (eds.) *Handbook of Intelligence*. PP: 396-200 Cambridge, England. Cambridge University Press.
- Mayer, J.D. & Salovey, P. (1997) Emotional development and emotional intelligence: Educational implications. In P. Salovey & D.J.Slvyter (Eds *Emotional development & emotional implications* 334 New York, Harper Collins.
- Mbeke-Ekanem, T. (2000). Beyond the Execution: Understanding the Ethnic and Military Politics in Nigeria. CSS Press, Lagos.
- McCallum, M. & Piper, W.E. (2000). *Psychological mindedness and emotional intelligence*. record">https://Psycnet.apa.org>record.
- MCCarthySchuster,Zehr, P. & McDougal(1999)51valuation of critical thinkinginbaccalaureate nursing programs. *The Journa Continuing Education in Nursing*, 32(4)161–164.
- Mehrabi, M., Alipour, A. & Saeed, N. (2011). Examining the critical thinking skills in the students of PayameNor University. *Journal of Electronic Learning*, 4(2), 45 51.
- Mei-Huj, C. (2016). Theoretica1frameworkfontegratinghigher-order thinkingintoL2Speaking. *Theory&PracticeinLanguageStudies26*(2), 217-226.
- Merton. (1968). Social theory and social structure. *The Free Press, A Division of Simon & Schuster Inc. New York, NY 10020*.
- Mgbekem, S. J. A. (2004). *Management of University Education in Nigeria*. International Calabar. Unical Press.
- Mires, C. H. (2012). Training the critical thinking, translated to Persian by Abili, SAMAT publications. Tehran, Iran.
- Mirmolayi, S. T., Shaabani, H. & Babaei, Q. R. (2004). Comparing the critical thinking skills of freshman and senior students in the students of Tehran universities of medical sciences. *Journal of Survival*, 22, 69 77.
- Nalla, V. (2015). Life skills and soft skills makes you better life. <u>www.linkedin</u>. *Com/pulse/life-skills-soft-makes-you-better-v*
- National Policy on Education, 6th Edition (2013). Federal Republic of Nigeria. https://educateolead.files.wordpress.com> 2016/12> national-education-policy.
- National Population Commission (2006). Report of National population. Population. gov. ng. Population. https://wwwjstor.org.

- National Youth Policy Nigeria-Revised (2009). Federal Ministry of Youth Development.
- NDDC Act (2000). Niger Delta Development Commission (Establishment) Act, No 6 Laws of Federation of Nigeria.
- Nelson, D. & Low, G. (2003). *Emotional intelligence, achieving academic and career excellent*. Upper Saddle River, N: Prentice Hall.
- Nelson, D. & Low, G. (2005). Emotional intelligence the role of transformative learning in academic excellence. Texas Study of Secondary Education xiv, 2, 41 44.
- Nicole, L. P. S. & Anthony, C. A. (2007). Identification of relationships between emotional intelligence skill and Critical Thinking disposition in undergraduate leadership students. *Journal of Leadership Education*, 6(1), 190 208.
- Nidhi, M. (2016). Military psychology: Concepts, trends & intervention. Countering terrorism interrogation communication oversight. SAGE Publications, India, 2016.
- Nugent, P. & Vitale, B. (2008). Fundamental's success (test only): A course review applying critical thinking. Publisher: Davis Success Series USA. https://www.amazon.
- Nwanna-Nzewuawa, O. P., Girigiri, R. & Okoh C. F. (2007 Social Studies foundations methods and contemporary social problems (eds.), New Owerri 1 Springfield Publications.
- Obi, C. I. (2011 Insurgency in Niger Delta: Managing the Complex Politic of Petro-violence Nordic Africa Institute Library/Diva 1330, London.
- Obuh, J. (2005). Youths'involvementinruraldevelopmentactivitiein Ogba district of Rivers State, Nigeria. *Journal of Agriculture and Social Research* 5(1), 48 53.
- Ofem, N. I. & Ajayi, A. R. (2008). Effects of youthempowerment strategies on conflict resolutions in the Niger Delta of Nigeria Evidence from Cross River State. *Journal of Agriculture and Rural Development* 6(1, 2), 139 146.
- Ogbeifun, I. (2008). Cultism in educational institutions in Nigeria: Causes, possible solutions & counselling Implications. Www.devifinder.com.
- Ogbemudia, E. O. (2010). Youth Restiveness and its consequences in Nigeria. https://wwwjstor.org.
- Ojakorotu, V. & Gilbert, L. D. (2010).Understandingthecontextofviolenceinthe NigeDelta of Nigeria1Ojakorotu&L.DGilbert (Eds).CheckmatingtheResurgence ofOilViolencein the Niger Delta of Nigeria. Johannesburg.
- Okechukwu, N. & Jibril, I. (2018). *The pervasive air pollution in Port Harcourt, Rivers State*. https://punchng.com.rivers.air.

- Okorosaye-Orubite, A. K. (2008). Educationsustainabledevelopmenin NigerDelta*Theroleofthe* youthConferenceonthe NigerianStateoilindustryandthe NigerDelta.Held in Yenagoa, Bayelsa State, March, 11 13 pp.1002 1013.
- Okoye, M. O. (2013). Assessment of competencies of professional Librarians in Nigeria. Library Philosophy & Practice.
- Olawuyi, Olasehinde-Williams, Durosaro, Yahaya, L. A. (2010) Critical thinking and higher education in Nigeria paper presented at the 1st International Conference of CEFWA. University of Ilorin, Nigeria.
- Omolade, A. (2018). The Rise and Decline of the Niger Delta Rebellion. *The Oxford University Press* 2018. *Dor: 10. 1093/oxfordhb/9780198804307.01341*.
- Onyekpe, N. (2007). Managing youth at election. *Journal of Constitutional Development*, 7(1), 76 87.
- Ordu, S. N. & Jambo, T. (2013). Poverty and ignorance as correlates of youths' social restiveness behaviour in Rivers and Bayelsa States of Nigeria: Implication for counselling. *Journal of Economics and Sustainable Development*, 4(1), 6 12.
- Oromareghake, P., Arisi, R. O. & Igho, O. M. (2013). Youth restiveness and insecurity in Niger Delta: A focus on Delta State. *Global Journal of Human Social Science Political Science*, 13(3), 46 53.
- Oweila, S. (2009). Victimising oil agitation in the Niger Delta. *Izonlink*, 8(12), 45 52.
- Owolabi, H. O. (2010). The challenge of critical thinking for curriculum development and evaluation.
- Oyinloye, J. M. A. (2005). Emotional intelligence. An introduction to general psychology and pastoral counselling. Lagos: Emaphine Reprographics Ltd.
- Paul, R.C. (1992*Criticalthinking:Whateverypersonneedstosurviveinarapidlychangingworld* (2nd Ed). Santa Rosa, C. A.TheFoundationforCriticalThinking.
- Purfallah, S. A. & Gholami, J. (2014). The effects of raising Iranian intermediates' EFL learners' critical thinking on vocabulary learning. *Procidia Social & Behavioral Sciences*, 94(6), 212 219.
- Rafiu, A. (2017). The age of knowledge opinion. *The Guardian Nigeria News Paper. https://guardian. Ng > opinion.*
- Salami, S. D. (2001). Psychological correlates of career indecision among secondary school adolescents. Nigerian *Journal of Applied Psychology*, 6(2) 116 125.
- Sanders, W. L. & Horn, S. P. (1998). Research findings from the Tennessee value-added-SAS. https://www.Sas.com.>edu>ed-eval.

- Sania, Z. M. & Sehrish S. (2016). Effectofemotionalintelligenceon academic performance among business students in Pakistan. *Bulletinof Education and Research*, 38(1), 197 208.
- Shenfield, T. (2019). Understanding anger in children: How much is too much? 9019 Bay view Ave, Suit208, Richmond Hill, ON L 4BM6.
- Singaravelu S. (2007). Emotional Intelligence of student teachers (pre-service) at primary level in Puducherry region. *Journal of Social Psychology*, 12(5), 523 536.
- Snyder, L., Gueldenzph. S. & Mark, J. (2008). Teaching critical thinking and problem solving skills. *The Delta Pi Epsilon Journal*, 1(2), 29 33.
- Sousa, D. A. (2011). How the brain learns (4th Ed.). Thousand Oaks: Corwin Press.
- Stupple, E. J. N., & Ball, L. J. (2014). The intersection between Descriptivism & meliorism in reasoning research: Further proposas in support of soft normativism. School of psychology, University of Lancahire, Preston, U.K.
- Sultan, M. & Wheatley, J. (2003). Global Environment Facility. http://www. Thegef.org>default>files.
- Tankersley, M. K. (2015). A descriptive correlational study examining the relationship of emergency department contextual factors and transfer interval to an intermediate unit. Master of Science in Nursing Theses, Cedarville University.
- Tapia, J. (2008). The schooling of Puerto Ricans: Philadeiphia's most impoverished Community. https://doi.org/10. 1525/aeg.29.3.297.
- Thompson, E. R. (2009). Individual entrepreneurial intent construction clarification and development of an international reliable metric. *Entrepreneurship Theory & Practice*, 33(3), 76 83.
- Thorndike, E. L. (1920). A constant error in Psychological ratings. Journal of *Applied Psychology*, 4(1), 25 29. http://dx. Doi.org.
- Uriah, O. A. Egbezor, D, E. & Ololube, N. P. (2014). The challenges of youth restiveness and educational development in River State. *International Journal of scientific Research in Education*, 7(2), 105 150.
- Uriah, O. A., Ololube, N. P. & Egbezor, D. E. (2015). Academic background, socio–economic status and gender: Implications for youth restiveness and educational development in Rivers State. *International Journal of Applied Sociology*, 5 (1), 16 30.
- Vacek, E. J. (2009). Using a conceptual approach with concept mapping to promote critical thinking. MSN, RN. .48, No.1.Education innovation.

- Vela, R. (2003). The role of emotional intelligence in the academic achievement of first year College students. Unpublished Doctoral dissertation. Texas A&M University-Kingville, TX. http://www. Proquest.umi. com Padlink (Retrieved 10/12/2003).
- Walker-Garrison H. (2006). Critical thinking [Internet]. Available from: http://www.utc.edu/Administration/walkerteachingresoursecentre/facltydevelopment/criticalthinking/index.html.
- Wang, H. T. (2009). Should all students with Special Educational Needs (SEN) be included in Mainstream Education Provision? A critical analysis. *International Education Series* (*IES*), 2(4).......
- Watson, G. & Glaser, E. M. (2002). *Watson glaser critical thinking appraisal: Manual.* London: Psychological Corp, 2002.
- Weisenger, H. (1998). *Emotional Intelligence at work*. San Francisco, CA Jossey. Bass Publishers.
- Word Population Prospects, (2017). The 2017 Revision United Nations Population Division. Worldometers (www. Worldometers. Info/)
- World Health Organisation, Geneva (2002). Prevention of Violence: A public Health Priority Resolution. WHA49.25 in world report on violence and health; a summary.
- Yang, M. & Chou, S. (2018). The impact of environmental regulation on fatal health: Evidence from the shutdown of a coal-fired power plant located upwind of New Jersey. https://ideals. Repec.org>eee>jeeman.
- Zahyah, H. & Farukh, N. (2016). Relationship between emotional intelligence and academic achievement in emerging adults: A systematic review. *International Journal of Academic Research in Business and Social Sciences*, 6(6), 268 290.
- Zakarevicius, P., & Zuperka, A. (2010). Expression of emotional intelligence in development of students' entrepreneurship. *Economics and Management*, 15, 1-8.
- Zakaria, Y. (2006). Youth, conflict, security, and development. Retrieved April 20, 2012 from http://www.reality Ofaid/roareport.php? table = roa2006&id=6.
- Zubiaba, A. (2012). Replacing Textbook: The Open Education Resource Project. https://replacingtextbooks.wordpress.com.

APPENDICES

UNIVERSITY OF ILORIN

FACULTY OF EDUCATION

DEPARTMENT OF SOCIAL SCIENCES EDUCATION

Dear Respondent,

This is a Ph.D. research on Emotional Intelligence and Critical Thinking as correlates of Restiveness Tendencies among Colleges of Education Students in Niger-Delta, Nigeria. Please, kindly respond honestly to the items in the questionnaire. Your responses will be treated with utmost confidentiality and they would be used for the purpose of research only.

Thank you,

ILENAGBE, Ese. O.

Instruction: Please provide answers to the items in the spaces provided or make a tick ($\sqrt{\ }$) in the appropriate column.

Demographic Characteristics of the Respondents

Gender: Male () Female ()

Age:	18 – 25 Years Old () 26 Years and Above ()
Type of College of Education:	Federal (), State (), Private ()
Family Size:	3-5 (), $6-8$ (), 9 and above ()
Family Type:	Monogamy (). Polygamy ()

APPENDIX I

SECTION B: Emotional Intelligence

Instruction: Please respond to each statement of this scale by ticking ($\sqrt{}$) the most appropriate option that represent your opinion among the options SA = Strongly Agree, A = Agree, D = Disagree, and SD = Strongly Disagree

S/N	Self-Awareness	SA	A	D	SD
1	I can identify the causes of my physical emotions				
2	I am capable of taking sound decisions during difficult situations				
3	I have confidence to face challenges				
4	I know why my emotions change				
5	I can understand my strengths and weaknesses				
	Self-Regulation				
6	I do control my anger				
7	I try to get rid of unnecessary fear				
8	I keep commitments and promises				
9	I know when to speak about my personal problems to others				
10	I take the task gracefully, even if it is unsuccessful				
11	I avoid unhealthy habits under stress				
	Motivation				
12	I motivate myself by imagining a good outcome to tasks I take on				
13	I expect that I will do well on most things I try				
14	Whatever work I do, I do it whole-heartedly				
15	I am doing things I really want to				
16	When I meet with failures, I easily overcome those failures with a				
	positive attitude always.				
	Empathy				
17	I can tell how people are feeling by listening to the tone of their				
	voice				
18	I know what other people are feeling just by looking at them				
19	When another person tells me about an important event in his or her				
	life, I almost feel as though I have experienced this event myself				

20	By looking at their facial expressions, I recognize the emotions		
	people are experiencing		
	Social Skills		
21	I help other people feel better when they are down		
22	I like to share my knowledge with others		
23	I compliment others when they have done something well		
24	I interact effectively with peers and others		
25	I like to share my emotions with others		
26	I help those who are in difficult situations		
27	I understand and appreciate others point of view		

APPENDIX II

SECTION B: OWOLABI CRITICAL THINKING TEST

TEST 1: Evaluation of Arguments

An <u>argument</u> is a statement in support of or against a particular conclusion. It can either be weak or strong. Evaluation of arguments requires you to closely look at the conclusion at stake in order to identify whether the statement related to it is a weak or strong argument. A weak argument is one that is not direct or seriously related to the conclusion; it is of little importance. A strong argument, on the other hand, is both important in some way and related to the conclusion.

Please read through the following conclusion and determine whether each of the arguments presented in the statement that follow them is STRONG or WEAK. Ensure that you judge each argument on its own merit without the influence of your personal opinions or attitudes.

All offenders should be charged to court.

1. Yes; courts provide the only opportunity to establish innocence or guilt.

The government should recognize open debate of issues and use public opinion in formulating policies.

2. Yes; it makes the government and its programs popular.

Government should take over all the secondary schools in the country.

3. No; the schools would be too many for the government to run.

Children's freedom should be curtailed.

4. Yes; they cannot fully distinguish between right and wrong.

Equal opportunity should be given to the rich and poor.

5. No; the rich are more useful in the society.

TEST 2: Recognizing Assumptions

A great deal of human action and attitude is based on assumptions. An <u>assumption</u> is something taken for granted; a thing assumed, presupposed or reckoned as fact. A person who says I will see the President tomorrow, assumes that the President will be available and be ready to see him.

Each of the introductory statements made below is followed by a number of proposed assumptions. Please assess the introductory statement and decide whether the proposed assumption that follows the statement is made or not. Indicate your assessment by shading ASSUMPTION MADE on the response sheet if the given assumption is taken for granted in the introductory statement and ASSUMPTION NOT MADE, if the assumption is not taken for granted.

We need to have some rest, so we better finish the work quickly

6. Unless the work is finished, we cannot have some rest.

TEST 3: Test of Inference

An <u>inference</u> is a position derived from certain observed or supposed fact. It is a conclusion arrived at from certain premises or general principle. For example, it is possible to conclude that a car whose engine is running and on motion has a driver inside it or that someone is inside a house from which voices and conversation are heard. This assumption may be correct or not. It is possible that a moving car is remotely controlled instead of being driven by a driver. While conversation being heard from a house may be coming from a tape, radio, TV, etc.

Please read through the following statements and the conclusions which are made from the facts stated in the passages. You have to regard the statements as true. Use the stated facts to decide whether each conclusion is True (T), False (F), or there is Insufficient Data (ID), to draw the given conclusion.

True: an inference which reasonably follows the facts presented.

False: an inference which is wrong misinterprets the facts presented.

Insufficient Data: cannot say whether the inference is true or false or there is no sufficient basis to draw the inference. A housewife went to a local market to buy items for use in preparing a delicacy for her household...

APPENDIX III

RESTIVENESS TENDENCIES ASSESSMENT INVENTORY

Key: SA = Strongly Agree, A = Agree, D = Disagree, and SD = Strongly Disagree.

S/N	Statement	SA	A	D	SD
1	I am not a submissive person				
2	I am self-centred				
3	Life is meaningless to me				
4	I may be odd in behaviour at times				
5	I may be crazy at times				

6	Why not take Indian hemp (marijuana), I'll like to take		
	some		
7	No need to live in a world that is full of unfaithful people		
8	My thought sometimes becomes muddled and illogical		
9	I can be very stubborn most of the time		
10	I want to bully and show people that I am strong		
11	People in the world are wicked		
12	I am over sensitive to the comment of my mates		
13	when I think about life, I see the whole event as a chaotic		
	stage where man is made to suffer		
14	I wish to be able to fight		
15	Human lives mean nothing to me		
16	There is never sufficient reason for me to be happy		
17	I often experience a feeling of dis-satisfaction		
18	life is not interesting, I wish everyone knows this		
19	It is not a very good thing to be at peace with others		
20	I have been hired to deal with other persons		
21	Politicians sometimes use me to terrorize their opponents		
22	I have engaged in oil theft		
23	I make my living by working with criminals		
24	.No one refuses my advances and go score free		
25	I derive pleasure in a chaotic situation		
26	I lie a lot to cover up my tracks		
27	I always hang out with bad guys.		
28	taking drugs to be high is my way of life		
29	It is very difficult to calm me when I am offended.		
30	More than 20 glasses of alcoholic drink had been taken by		
	me in the last month		
31	I have 2 or more drunkenness during the last month.		

32	I have used marijuana or any other soft drugs at least once during the past year.			
33	I have hit /fight somebody in such a way that he or she had to be bandaged or see a doctor.			
34	I have deliberately vandalised school's property at least once in the past 12 months.			
35	Anybody that does any wrong to me is in big trouble with me.			
36	When I am violent, I am uncontrollable.			
37	I fear nobody.			
38	I can hit anybody with any instrument when I am angry.			
39	I get angry easily.			
40	The urge to fight and be violent in me is very strong			
41	I don't feel touched when someone is hurt.			
L	1	ı	I .	

APPENDIX IV

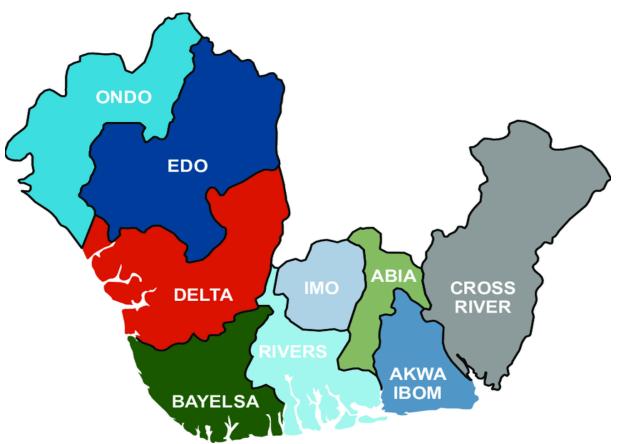
BUDGET

The following are the estimated amount to be spent on the project

S/N	ITEMS	COST
1	Stationary	₩100,000
2	Test	₩20,000
3	Test Administration	₩100,000
4	Travelling Expenses	₩250,000
5	Equipment: Laptop and Printer	₩150,000
6	Literature Review	N 35,000
7	Printing Materials, Analysis, Binding and others	₩250,000
8	Miscellaneous Expenses	₩200,000
9	7 Research Assistance at ¥5,000 per day	₩280,000
	TOTAL	<u>N1,385,000,</u>

Appendix V

Map of Niger-Delta Region, Nigeria



Source: Google Search