

## **EMPIRICAL ASSESSMENT OF THE ROLE OF INFORMATION COMMUNICATION, TELE DENSITY, NETWORK PROVIDERS AND SUBSCRIPTION, AND CONSUMER COMPLAINTS ON THE GROSS DOMESTIC PRODUCT IN NIGERIA AND ACROSS THE GLOBE: PROBLEMS AND PROSPECTS**

**Authors :** Essang Anwana Onuntuei, Chinyere Blessing Azunwoke

**Abstract :** The study used secondary data from foreign and local organizations to explore major challenges and opportunities abound in Information Communication. The study aimed at exploring the tie between tele density (network coverage area) and the number of network subscriptions, probing if the degree of consumer complaints varies significantly among network providers, and assessing if network subscriptions do significantly influence the sector's GDP contribution. Methods used for data analysis include Pearson product-moment correlation and regression analysis, and the Analysis of Variance (ANOVA) as well. At a two-tailed test of 0.05 confidence level, the results of findings established about 85.6% of network subscriptions were explained by tele density (network coverage area), and the number of network subscriptions; Consumer Complaints' degree varied significantly among network providers as 80.158291 (F calculated) > 3.490295 (F critical) with very high confidence associated p-value = 0.000000 which is < 0.05; and finally, 65% of the nation's GDP was explained by network subscription to show a high association.

**Keywords :** Tele density, Subscription, Network coverage, Information communication, Consumer

**Conference Title :** ICCCNT 2025 : International Conference on Computing Communication and Networking Technologies

**Conference Location :** New York, United States

**Conference Dates :** August 09-10, 2025