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Data Article

Data survey on public-private professionals role in building control measures within the Nigerian construction industry



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ABSTRACT

The data survey focused on building control measures which are critical in attaining sustainable built environment. The data examined the public and private professional's performance of building control measures and its barriers in Lagos. The targets consist of sixty (60) construction experts in public and private construction firms operating in Lagos. The sample size was generated from the pool of registered construction professional's from private and public construction organizations in Lagos using random sampling technique. Descriptive statistics and inferential tests which include Kruskal-Wallis and Mann-Whitney U tests were performed on the dataset generated. The data harvested will avail the construction expert's in public and private construction industry on the need for partnership in a bid to enhance building control measures performance in Lagos.

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Specifications table

Subject area	Building Construction.
More specific subject area	Building Control.
Type of data	Tables and Figures
How data was acquired	Cross-sectional Survey design
Data format	Raw, analyzed.
Experimental factors	A random sampling of Construction experts
Experimental features	Public-Private Construction Experts Role in Building Control Measures Performance and Barriers Within Nigeria.
Data source location	Lagos, Nigeria.
Data accessibility	<i>All the data are in this data article</i>
Related research article	<i>Please cite the author, title and publication status of the most relevant related research article here, if applicable.</i>

Value of the data

- The data when analyzed compared with existing data on building control can help identify the sustainable ways of achieving sustainable building control measures.
- The dataset can help construction experts to ascertain the state of building control practices in a bid to enhance their performance and preserve the built environment [1–6].
- The dataset will avail the public and private construction institutions of the need for partnership in order to enhance building control measures and manage the barriers to its effective performance.

1. Data

The deficit in housing provisions due to the alarming increase in cities population has led to the prevalence of abuse of the built environment in a bid to meeting the housing challenge [7–9]. The data explored the role of construction experts in public and private construction organizations performance in building control measures and the barriers militating against its practice in Lagos. A well-structured questionnaire was used to generate the data from sixty (60) construction experts operating in the study area. The data generated from the construction experts are as follow: data on descriptive statistics of the experts which include age, academic qualification, respondents sector, profession and professional membership body is presented in [Table 1](#), data on construction expert's perception on performance of building control measures in developing city ([Table 2](#)) and data on construction expert's perception on barriers to building control measures ([Table 3](#)). The analyzed data was also used to generate inferential statistics using Kruskal-Wallis and Mann-Whiney U as presented in [Tables 4–9](#).

2. Experimental design, materials and method

2.1. Data collection

A well-structured questionnaire was used to generate the data by targeting a pool of registered construction experts operating in the study area. Random sampling technique was used in selecting the sample size. The contents (variables) of the questionnaire was sourced from the review of literatures and is designed to capture the datasets. A similar method of data exploration includes [10,11].

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