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Data article

# Q1 Survey datasets on women participation in green jobs in the construction industry

Adedeji O. Afolabi\*, Rapheal A. Ojelabi,  
Patience F. Tunji-Olayeni, Olabosipo I. Fagbenle,  
Timothy O. Mosaku

Q3 Department of Building Technology, Covenant University, Nigeria

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## ABSTRACT

The unique qualities of women can make them bearers of solutions towards achieving sustainability and dealing with the dangers attributed to climate change. The attitudinal study utilized a questionnaire instrument to obtain perception of female construction professionals. By using a well-structured questionnaire, data was obtained on women participating in green jobs in the construction Industry. Descriptive statistics is performed on the collected data and presented in tables and mean scores (MS). In addition, inferential statistics of categorical regression was performed on the data to determine the level of influence (beta factor) the identified barriers had on the level of participation in green jobs. Barriers and the socio-economic benefits which can guide policies and actions on attracting, retaining and exploring the capabilities of women in green jobs can be obtained from the survey data when analyzed.

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Q2 \* Corresponding author.

E-mail address: [adedeji.afolabi@covenantuniversity.edu.ng](mailto:adedeji.afolabi@covenantuniversity.edu.ng) (A.O. Afolabi).

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**Specifications table**

Subject area	<i>Environmental Science</i>
More specific subject area	<i>Green jobs</i>
Type of data	<i>Tables, Figures and Text files</i>
How data was acquired	<i>Field Survey</i>
Data format	<i>Raw</i>
Experimental factors	<i>Purposive sampling of women construction professionals in diverse fields in the construction industry</i>
Experimental features	<i>Sample selection of the perception of women construction professionals on participation, barriers and socio-economic benefits in green jobs in the construction industry</i>
Data source location	<i>Lagos, Nigeria</i>
Data accessibility	<i>All the data are in this data article</i>

**Value of the data**

- The questionnaire instrument is compact and can be adapted or modified for studies in other climes, thereby comparing the results from under-developed, developing and developed countries.
- The data provided the descriptive statistics for the selected sample for measuring the level of participation of women compared to men in green jobs in the construction industry.
- The data when completely analyzed can provide insight into the obstacles hindering the career advancement of women in green jobs in the construction industry, while the socio-economic benefits of engaging women in green jobs if well harness can help the environment and the construction industry.
- An understanding of the barriers and socio-economic benefits can guide policy makers and construction industry stakeholders on ways to tackle the shortage of women participation in the construction industry.
- The data can increase the awareness of women and the girl child on the distinct features of green jobs in contrast to other jobs available in the construction industry in general.

**1. Data**

The data instrument of a well-structured questionnaire was administered to one hundred and twenty (120) women construction professionals in Lagos State, Nigeria. The demographic characteristics of the female construction professionals is shown in Fig. 1 and Table 1. The designed data instrument guided the contents of the data which helped to determine the level of women participation in green jobs in the construction industry. The data analysis can reveal the inhibiting factors to the participation of women in green jobs. An understanding of the data can help in harnessing the socio-economic benefits to the girl child, women, the environment and the construction industry as a whole. Research questions can be posed, which in turn can lead to inferential statistics, which when interpreted can inform the development of policies and strategic actions on women inclusion in the construction industry. As such, the categorical regression was used to determine the level of influence the identified barriers had on the level of participation in green jobs. The data revealed areas that are peculiar to provision of green jobs in the construction sector such as Solar panel manufacturing, installation and maintenance, Enforcement of environmentally friendly practices on-site, Environmental compliance, education and training of public, Waste reduction, reuse and recycling, Developing of green and sustainable designs, Pollution Reduction/ Removal, Reduction of water usage

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