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Data Article

Survey data on supply chain improvement and operational competency of oil and gas firms in Nigeria



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ABSTRACT

The firm's suppliers are in most social responsibility literature considered a branch of the firm's stakeholders that may not necessarily benefit directly from the firm's social responsibility practices. However recent studies on CSR from the developing country's perspective has highlighted the importance that needs to be placed on supply chain improvement. Thus, this article presents data on the effect of supply chain improvement as a construct of corporate social responsibility on operational competency. The study employed a descriptive quantitative research design survey method. The study population consists of 1748 employees from four top oil and gas firms quoted in the Nigerian stock exchange. A sample size of 350 employees were selected. Data was analysed using statistical Package for Social Sciences (SPSS). Regression analysis was employed as the statistical tool of analysis. The field data set is made widely accessible in this article.

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Specification table

Subject area

More Specific Subject Area

Business and Management

Supply chain management, Human Capital Development, Corporate Social Responsibility,

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Type of Data	Tables
How Data was Acquired	Survey
Data Format	Raw, Filtered and Descriptive
Experimental Factors	A simple random sampling technique was used to gather the data
Experimental features	The gathered data were based on randomly selected respondents among employees in oil and gas firms operating in Lagos.
Data source location	South west, Nigeria
Data Accessibility	Data is provided with this article

Value of data

- The data provided gives an insight on the firms' involvement in supply chain improvement within the confines of corporate social responsibility in oil and gas firms in Nigeria. Further studies can review this stance in other industries.
- The provided data also shows statistics on CSR from the developing country's perspective. Considering the limited available data on CSR that goes beyond philanthropy from the developing country's perspective, future studies might consider expanding their investigation into other aspects of CSR beyond philanthropy.
- Considering the limited available data on employees' perception of the firm's commitment to supply chain improvement, as well as lack of data set on this area of corporate social responsibility, the provided data opens up avenue for future studies focused on the creating shared value concept of CSR.

1. Data

A total of three hundred and fifty copies of questionnaire were administered to respondents from the top four listed oil and gas firms in Nigeria's stock exchange. [Table 1](#) below shows that 22.9% of the population of this study were from Firm 1, 27.3% from Firm 2, 27.8% from Firm 3 and 22% from Firm 4. This clearly shows that each firm for the study was well represented. The demographic characteristics of the respondents are also highlighted in [Table 2](#) below.

1.1. Statement of test statistics

Given that the correlation co-efficient measures the degree to which two things vary together, this model correlated two variables: supply chain improvement and operational competency.

[Table 3](#) showed the descriptive statistics of supply chain improvement and operational competency for each oil and gas Firm. Respondents from all the sampled firms agreed with all the constructs in this variable. Most of the respondents acknowledged positively to the contribution of firm's supply chain improvement on its operational competency. Nonetheless Firm 1(4.461), Firm 4 (4.313) and Firm 2 (4.007) respondents admitted favourably to the statement however, respondents from Firm 3

Table 1

Sample frame for distribution of questionnaire.

Source: Researcher's Field Survey, 2017.

Name of firm	Number of employees	Percentage of total (%)		Questionnaire distributed
Firm 1	401	401/1748 * 100	22.9	80
Firm 2	477	477/1748 * 100	27.3	96
Firm 3	485	485/1748 * 100	27.8	97
Firm 4	385	385/1748 * 100	22.0	77
Total	1748		100	350

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