

Constraints to Housing Interventions by Cooperative Societies in Nigerian Universities: A Factor Analysis Approach

Sekinat Abdulkareem, Olurotimi Adebowale Kemiki, Oluwabunmi Deborah Alonge, Foluke Olanike Fabunmi (Nigeria) and Oluibukun Gbenga Ajayi (Namibia)

Key words: Real estate development

SUMMARY

Factor analysis is a standard statistical technique for reducing data dimensionality, which is widely used in sociology, psychology, and demography. Also, financial and insurance institutions commonly use such a technique for marketing research. This study documents the process of using factor analysis to investigate the constraints to housing interventions of cooperative societies in Nigerian universities using factor analysis. The study aims to identify latent factors constraining housing interventions and provide valuable insights for policy recommendations. Data were collected from 383 members of six purposively selected cooperative societies across federal universities in Southwest Nigeria. The factor analysis revealed 3 distinct components and the corresponding variance. Component 1, comprises of 9 items and are grouped “Cooperative governance issue”. Component 2 has 6 items, labeled “Housing construction cost and economic related issue”. Component 3 consists of 3 items, grouped as “Government interference and funding issue”. The first principal component 53.888% explains the largest percentage of the variance, while the second and third components contribute 7.497% and 6.366% respectively. The findings highlight key barriers to effective housing interventions of cooperative societies and provide guidance for policy measures to strengthen governance, manage costs and reduce external constraints.

Keywords: Cooperative Societies; Housing Intervention; Factor analysis; Universities; Nigeria; Policy Constraints

Constraints to Housing Interventions by Cooperative Societies in Nigerian Universities: A Factor Analysis Approach (13748)

Sekinat Abdulkareem, Olurotimi Adebowale Kemiki, Oluwabunmi Deborah Alonge, Foluke Olanike Fabunmi (Nigeria) and Oluibukun Gbenga Ajayi (Namibia)

FIG Congress 2026

The Future We Want - The SDGs and Beyond

Cape Town, South Africa, 24–29 May 2026