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## **The Use of Statistical Tests for Assessing Social Acceptance of Vernacular Houses**

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### **ABSTRACT:**

Vernacular architecture consists of built forms that evolved purely as a result of cultural considerations along with geographical and material considerations. Hence, it is frequently documented and studied by architects and planners. In the present day, discussions linking vernacular architecture to the concept of material and social sustainability may have a huge significance in shaping our understanding of the word “sustainable architecture”. One of the tools that could be used in collecting user feedback would be through surveys to assess people’s perceptions.

However, after collection of data, there needs to be efficient ways to analyze it. An important analysis tool is statistical tests, which would allow us to test hypotheses. This study is a review of statistical tests and their usage in relation to assessing peoples’ acceptance of Vernacular Architecture. A review of literature relating to peoples’ perception and architecture was carried out, where it is found that the methods of inferential statistics are rarely used. This paper highlights a shortage of research work that uses these methods. Results indicate that although it has been used in some studies, the most frequent use of statistics is in urban studies. The paper argues that these methods have a huge potential to be useful in assessing people’s outlook on vernacular architecture.

**Keywords:** Inferential Statistics, People’s Preference, Vernacular, Architecture, acceptance.

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