The wear of stairs is a complex object of study influenced by multiple factors combined. By analyzing the background of the problem in depth and combining the specific constraints, the problem can be restated as follows:

1. Clarify the data requirements

Under the assumption that archaeologists can employ low-cost, simple, and non-destructive measurements, clarify the key types of data that need to be acquired.

2. Build an analytical model

Build a mathematical model to analyze the wear of stairs and predict how the target stairs will be used, using the key data types acquired in Problem 1. Specifically include:

A. the frequency of use of the staircase;

B. the direction in which the stairs are primarily used (upward or downward preference);

C. the number of people using the stairs simultaneously and their mode of use (e.g., side-by-side walking or single-passing).

3. Further exploration of issues related to specific conditions

Based on the..... model, provided being able to estimate the age exists, clarifying the way the stairwell was used, and understanding the daily pattern of life in the structure, analyse the following aspects in depth:

A. whether the wear patterns are consistent with the available information;

B. the estimation of the age of the stairs and its reliability;

C. the repair or renovation history of the stairs;

D. the certainty of the source of materials used in the construction of the stair;

E. The information that can be determined includes the number of people using the stairs on a typical day and the usage frequency ( whether it involves a large number of people over a short time or a small number over a longer period).