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Masters' thesis: statistical analysis of paleolithic stone-knapping sequences

I am looking for a strong candidate for a **Master's thesis in applied statistics**.

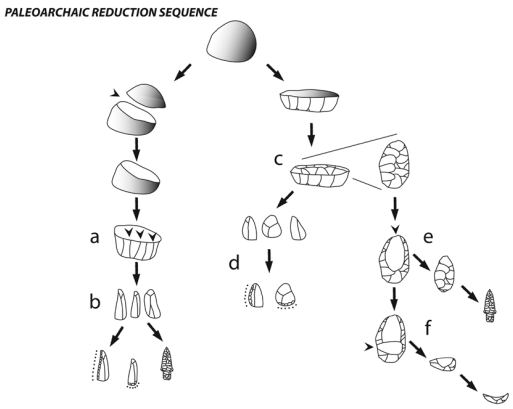

Figure 1: A stone-knapping sequence[1]

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Individual elements from stone tool production sequencesare routinely collected from archaeological sites, and in rare cases, the individual elements can be pieced back together, revealing the majority of the production sequence. And, with these sequences, archaeologists seek to extract behavioral information which will provide insights into the evolution of stone tool production.

The thesis concerns the statistical analysis of such production sequences, in particular regarding variability within discrete archaeological layers and between archaeological sites. The hierarchical and sequence-dependent data poses interesting conceptual problems.

The thesis takes place in a larger project with colleagues from the **University of Minnesota**, the **University of San Francisco**, and the **Zuse Institute Berlin**. You will have access to novel 3D scans of artifacts from Israel and Egypt. For information please contact `joscha.diehl@uni-greifswald.de`.

[1] Davis et al. 2012. Chapter 3 within *Meetings at the Margins: Prehistoric Cultural Interactions in the Intermountain West*.