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Statistical methodology in numismatic studies

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Abstract

The note is concerned with the statistical methods applied to numismatic studies with particular reference to a previously published study of the trace-element composition of Augustan coins (Carter, G. F. (1978), *Journal of Archaeological Science* **5**). In particular, it is shown that the grouping procedure proposed by Carter is likely to produce too many "significant" groups. The compositional differences between predefined groups based on issue and year of manufacture are also considered. Multivariate techniques are used to investigate these differences and the advantages of this approach in comparison to the inspection of univariate plots are pointed out.



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The Editors wish to state that this note is not to be seen as setting a precedent for the general publication in the future of debate related to articles appearing previously in this journal. It is to be regarded as a separate note on the application of discriminant analysis to trace element data on coins.

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