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ACCEPTED MANUSCRIPT

Error Measurement in Craniometrics: The Comparative Performance of Four Popular Assessment Methods Using 2000 Simulated Cranial Length Datasets (g-op)*

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* Portions of this work have been presented at the 17th Biennial Meeting of the International Association of Craniofacial Identification July 2017, in Brisbane, Australia.

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Highlights

- Four error metrics were tested across 2000 simulations of repeat measurements (g-op)
- With large error, intraclass (ICC) and Pearson's correlation coefficients (r) were high
- t-tests resulted in insignificant P-values when errors were normally-distributed
- Technical error of measurement (TEM) intuitively increases with increasing error
- TEM is the preferred error metric in contrast to r, ICC and P-value result

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