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Authors: Natalie R. Langley, Lee Meadows Jantz, Shauna McNulty, Heli Maijanen, Stephen D. Ousley, Richard L. Jantz

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ACCEPTED MANUSCRIPT

Error Quantification of Osteometric Data in Forensic Anthropology

Natalie R. Langley[a] (**corresponding author**)
Email: langley.natalie@mayo.edu

Lee Meadows Jantz[b]
Email: ljantz@utk.edu

Shauna McNulty[c]
Email: shauna.mcnulty@umpqua.edu

Heli Maijanen[d]
Email: heli.maijanen@oulu.fi

Stephen D. Ousley[e]
Email: sousley@mercyhurst.edu

Richard L. Jantz[b]
Email: rjantz@utk.edu

[a]Department of Anatomy, Mayo Clinic College of Medicine and Science, Mayo Clinic School of Medicine Arizona Campus, 13400 E. Shea Blvd., Scottsdale, AZ, USA 85259
[b]Department of Anthropology, University of Tennessee, 502 Strong Hall, 1621 Cumberland Ave., Knoxville, TN, USA, 37996
[c]Science Department, Umpqua Community College, 1140 Umpqua College Road, Roseburg, OR 97470
[d] University of Oulu, Archaeology, P.O. Box 1000, 90014 University of Oulu, Finland
[e]Department of Mathematics and Information Technology, Mercyhurst University, 501 E. 38th Street, Erie, PA, USA, 16546

Highlights

- The reliability of osteometric data used in forensic case analyses is evaluated.
- Twenty-two measurements had unacceptable technical error of measurement values.
- A new manual, *Data Collection Procedures 2.0*, was produced based on these results.
- The manual and an accompanying instructional video are freely available online.

Abstract

This study evaluates the reliability of osteometric data commonly used in forensic case analyses, with specific reference to the measurements in *Data Collection Procedures 2.0* (DCP 2.0). Four observers took a set of 99 measurements four times on a sample of 50 skeletons (each measurement was taken 200 times by each observer).

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