

[Print Version] [Update]
[PubMed Citation] [Related Articles in PubMed]

The Angle Orthodontist: Vol. 57, No. 2, pp. 168-175.

Cephalometric Reliability

A Full ANOVA Model for the Estimation of True and Error Variance

Peter H. Buschang; a Richard Tanguay; Arto Demirjian

^aDr. P. H. Buschang, Faculté de médicine dentaire, Département de santé buccale, Case postale 6128, Succursale "A", Montreal, P.Q. H3C 3J7, CANADA

ABSTRACT

A detailed description of sampling designs for assessing the reliability of cephalometric measurements, emphasing distinctions between 1) true and observed variance, 2) random and systemic components of variance, and 3) complete and minimal models for evaluating measurement error.

- Dr. Buschang is a research associate, Section d'orthodontie, département de santé buccale, and Centre de recherche sur la croissance humaine, Université de Montréal. He holds a Ph.D. from the University of Texas and was a postdoctoral research fellow with the Department of Orthodontics, School of Dental Medicine, University of Connecticut
- Mr. Tanguay is a biostatistician at the Centre de recherche sur la croissance humaine and holds an M.S. in biostatistics from the Université de Montréal
- Dr. Demirjian is director, Centre de recherche sur la croissance humaine and Professor of Anatomy, Université de Montréal. He holds D.D.S. degrees from the Universities of Istanbul and Montréal, and a M.S. in anatomy from the University of Toronto

KEY WORDS: CEPHALOMETRICS, ERROR, RELIABILITY, STATISTICS, VARIANCE.

© Copyright by E. H. Angle Education and Research Foundation, Inc. 1987