

GRADUATE SEMINAR

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Cluster Analysis of Indigenous Artifacts by means of K-means Clustering Algorithm

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Zoom

Abstract Throughout the trajectory of human development in general, the quality of a person's attachments impacts the course of one's overall mental health. People with histories of maltreatment tend to show attachment styles that are distorted by insecurity, whereas those who have recovered can establish more robust and balanced "earned secure" attachments. Accordingly, contact with artifactual belonging establishes heirloom-based linkages of identity—to community, to ancestors, and to place—that provide an anchor to one's sense of self. Senses of belonging can occur through learning about and gaining appreciation for their ancestors and even for the land itself. Here we give cluster analysis of Indigenous artifacts collected from several Indigenous reserve regions by means of K-means Algorithm. Our results indicate that prehistoric artifacts are fully comparable in quality and chemical complexity. We also acknowledge that community-based studies of ancestral places improve individual and communal health and well-being.