

THE UNIVERSITY OF TEXAS AT ARLINGTON

Introduction



distances.

Spectral Clustering: A clustering based on the relationships of the different features in high dimensional space.



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3.While the T-SNE graphs show similar results, the clustering groups did not as easily differentiate between two variations of loess deposition making it more difficcult to observe the temporal pattern.

manual determination of the classification results.

Identification of Loess from Fluvial Deposits at Flagstaff Rim,

reduction methods showed the clearest groupings with the most tightly clustered/similar groups.

2. When placed side by side in a catagorical representation of clustering groups K-Means shows more similar results compared to the

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- Újvári, Gábor, et al. "The physics of wind-blown loess: Implications for grain size proxy
 - interpretations in Quaternary paleoclimate studies." Earth-Science Reviews 154 (2016): 247-278.