Special Issue

Clustering Methods and Statistical Analysis of Clinical Data in Dentistry

Message from the Guest Editors

Statistical analysis of clinical data in dentistry is paramount for evidence-based practice and informed decision-making. Through rigorous statistical methods, dental professionals can elucidate trends, assess treatment efficacy, and identify potential risk factors. This not only enhances the quality of patient care but also contributes to the advancement of dental research, ultimately fostering improved oral health outcomes. Specifically, clustering methods can be used to analyze complex data, identifying patterns and grouping similar cases together to obtain valuable information that can support clinical decisions. The applications of these methods include identifying patients with similar profiles based on shared dental concerns, responses to treatment, or risk factors to facilitate personalized interventions and tailored planning. In this Special Issue, we will collect current scientific research on the application of clustering methods in extracting meaningful information from data in different dental fields in association with their clinical implications.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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