

Why Do We Need Hierarchical Linear Models?

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Abstract : Hierarchical or nested data structures usually are seen in many research areas. Especially, in the field of education, if we examine most of the studies, we can see the nested structures. Students in classes, classes in schools, schools in cities and cities in regions are similar nested structures. In a hierarchical structure, students being in the same class, sharing the same physical conditions and similar experiences and learning from the same teachers, they demonstrate similar behaviors between them rather than the students in other classes.

Keywords : hierarchical linear modeling, nested data, hierarchical structure, data structure

Conference Title : ICEBS 2014 : International Conference on Education and Behavioral Sciences

Conference Location : Paris, France

Conference Dates : December 30-31, 2014