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R Tutorial: What is a hierarchical model?
Hierarchical Models in Instrumental Variable Analysis for Advertising Effectiveness by Ruben Mak
Bayesian Hierarchical Models
Bayesian Hierarchical Models Mixed Models, Hierarchical Linear Models, and Multilevel Models: A simple explanation
~~Introduction to Multi-Level Modeling~~ **The Hierarchical Modeling System**
Understanding and Implementing Bayesian Hierarchical Modeling
Meta-analysis, CSAE Workshop Hierarchical Linear Models I: Introduction Lecture - 20
~~Hierarchical Models Bayesian hierarchical models~~ **015 Mythology the \"DNA\" of the Hierarchy**
A visual guide to Bayesian thinking

Introduction to Bayesian Data Analysis and Stan with Andrew Gelman
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17. Bayesian Statistics **2. What Are Mixed Models?**
Multilevel Models: Introducing multilevel modelling | Ian Brunton-Smith
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method. The sub-models combine to form the hierarchical model, and Bayes' theorem is used to integrate them with the observed data and account for all the uncertainty that is present. The result of this integration is the posterior distribution, also known as the updated probability estimate, as additional evidence on the prior distribut

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Multilevel model - Wikipedia

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Cluster analysis or clustering is the task of grouping a set of objects in such a way that objects in the same group (called a cluster) are more similar (in some sense) to each other than to those in other groups (clusters). It is a main task of exploratory data mining, and a common technique for statistical data analysis, used in many fields, including pattern recognition, image analysis ...

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An example could be a model of student performance that contains measures for individual students as well as measures for classrooms within which the students are grouped.

Multilevel model - Wikipedia

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