



## Cognitive Assessment: An Introduction to the Rule Space Method (Paperback)

By Kikumi K. Tatsuoka

Taylor Francis Ltd, United Kingdom, 2009. Paperback. Condition: New. New.. Language: English . Brand New Book. This book introduces a new methodology for the analysis of test results. Free from ambiguous interpretations, the results truly demonstrate an individual's progress. The methodology is ideal for highlighting patterns derived from test scores used in evaluating progress. Dr. Tatsuoka introduces readers to the Rule Space Method (RSM), a technique that transforms unobservable knowledge and skill variables into observable and measurable attributes. RSM converts item response patterns into attribute mastery probabilities. RSM is the only up-to-date methodology that can handle large scale assessment for tests such as the SAT and PSAT. PSAT used the results from this methodology to create cognitively diagnostic scoring reports. In this capacity, RSM helps teachers understand what scores mean by helping them ascertain an individual's cognitive strengths and weaknesses. For example, two students may have the exact same score, but for different reasons. One student might excel at processing grammatically complex texts but miss the main idea of the prose, while another excels at understanding the global message. Such knowledge helps teachers customize a student's education to his or her cognitive abilities. RSM is also used...



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