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ing test. The book presents the first treatment of validity argument and related analytical tools in one volume and maps the psychometric/statistical analysis tools onto the validity argument framework. It also provides an extensive literature review of listening comprehension, validation, and psychometric modeling and proposes both methods for developing and validating self-assessment instruments and novel approaches to improving the quality of language assessments.

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A text book on Maths

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Emphasizing why statistical techniques are

essential tools for bioscientists, Biomeasurement removes the stigma attached to statistics by giving students the confidence to use key techniques for themselves. Placing the role of data analysis in the context of the wider scientific method and introducing students to key terms and common statistical concepts, the text demonstrates the power and importance of statistics throughout the study of bioscience.

Investment - in both facilities and know-how - is essential for growth. Economists try to understand the forces that determine investment, but investment behaviour is unruly; often the term animal spirits is used to explain the resulting volatility. This volume presents studies to explain international investment behaviour and assess its impact on growth and jobs. The authors also examine policy measures to reverse the climate of low investment that has characterised recent decades. The contributors examine how well standard models of investment work, the role of finance constraints, the effect of risk and uncertainty, the impact of alternative

forms of corporate governance, the forces shaping the adoption of new technology, the impact of foreign direct investment, the effect of investment on the NAIRU and the causal structure of investment and growth. Editors introductions to the different sections of the book provide comprehensive overviews of the main theories of investment, the impact of investment on growth and employment and examine the main questions raised for policy makers.

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This book constitutes the refereed proceedings of the 12th International Conference on Intelligent Tutoring Systems, ITS 2014, held in Honolulu, HI, USA, in June 2014.

The 31 revised full papers, 45 short papers and 27 posters presented were carefully viewed and selected from 177 submissions. The specific theme of the ITS 2014 conference is "Creating fertile soil for learning interactions". Besides that, the highly interdisciplinary ITS conferences bring together researchers in computer science, learning sciences, cognitive and educational psychology, sociology, cognitive science, artificial intelligence, machine learning and linguistics. The papers are organized in topical sections on affect; multimodality and metacognition; collaborative learning; data mining and student behavior; dialogue and discourse; generating hints, scaffolds and questions; game-based learning and simulation; graphical representations and learning; student strategies and problem solving; scaling ITS and assessment.

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Topics One-Step Equations The Coordinate Plane Properties of a Quadrilateral Triangle Classifications

The book provides a detailed analysis of the nature and determinants of finance and trade and their relationship with Africa's competitiveness. Investment is examined in its various forms (financial vs. physical), and sources (private, public, domestic and FDI), as well as its relation to the size of domestic markets and export potential. The dimensions of trade related to financial development, trade costs, development of value chains and regional integration are also studied. The capacity of finance and investment to boost Africa's competitiveness is assessed to inform continent-wide economic policy.