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[BOOK REVIEW]

Advanced statistics for Physical and Occupational Therapy, by Thomas Gus Almonroeder, PT DPT PhD.

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It is written by Thomas Gus Almonroeder, PT DPT PhD, an Assistant Professor in the department of Health Profession at University of this Wisconsin, La-crosse USA.

This book primarily focuses on details of descriptive and inferential statistics used to answer Clinical Research questions related to physical therapy. Each chapter begins with objectives which are framed in simple language with one theme per objective. This way it becomes easier for a reader to cross check learning that happens after reading the chapter. There are subsections in each chapter in line with the objectives which helps the reader to concentrate on achievement of a particular objective at a time. Subsections also prevent monotony in the description but still are interlinked to one another. Schematic &/or Pictorial representations of description reinforces the understanding of subtopic. Learning Activity included in each chapter is based on the common parameters or variables or data type used in physical therapy which makes understanding of the concept easier. The answers to these questions asked in learning activity, are provided at the end of each chapter. This encourages readers to attempt learning activity with more interest as answers are available at hand.

This book is primarily divided into 4 sections with 16 chapters. First 4 chapters describe basic concepts of statistics. Next three chapters describe tests required to compare means. Next 4 chapters describe predictions and relationship between or among various variables used in research study. Next five chapters provide an introduction to the advanced statistical test such as non parametric tests, effect sizes, sample size estimation, and Analysis of covariance.

This is a good book for novice researchers to understand basic concepts as well as for expert researchers to keep revising the basics and learn about new tests to be applied in a particular Clinical Research study situation. Statistics is a very volatile topic which need creation and this book provides a solution for it.

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