Rasch Measurement in Health Sciences

Edited by Nikolaus Bezruczko

JAM Press is pleased to announce the new book, *Rasch Measurement in Health Sciences*, is now available. The book is available in soft cover ($44, ISBN 0-9755351-3-7) and hard cover ($56, ISBN 0-9755351-2-9). Postage and handling are additional. Information on ordering the book is located on the reverse of this announcement. Information is also available at the *Journal of Applied Measurement* web site ([www.jampress.org](http://www.jampress.org)). Please go to the JAM Press Books page on the web site and scroll down to the new books section.

RASCH MEASUREMENT IN HEALTH SCIENCES

Table of Contents

**Dedication: Memories From My Life**  Benjamin D. Wright

**Foreword**  Allen W. Heinemann

**Preface**  Nikolaus Bezruczko

**Part One: Introduction**

Chapter One:  *Measurement Theory Foundations*  Nikolaus Bezruczko and Michael J. Linacre

Chapter Two:  *Rasch Model Essentials*  Nikolaus Bezruczko

**Part Two: Major Healthcare-Related Applications**

Chapter Three:  *Quality and Outcome Measures for Medical Rehabilitation*  Carl V. Granger et al.

Chapter Four:  *Refining a Measure of Brain Injury Sequelae: The Mayo-Portland Adaptability Inventory*  James F. Malec et al.

Chapter Five:  *Measuring Patient Satisfaction and Dissatisfaction*  Elizabeth A. Hahn and David Cella

Chapter Six:  *Measurement Consistency for Different Language Versions of Health-Related Quality of Life Instruments*  Chih-Hung Chang, David Cella, and Benjamin D. Wright.

Chapter Seven:  *Credentialing Health Care Professionals*  Anne Wendt and Donna Surges Tatum

Chapter Eight:  *Task Specificity and Case Dependency of Standardized Patient-Based Performance Assessment*  Linjun Shen

**Part Three—Diagnosis and Evaluation**

Chapter Nine:  *Assessing Radiographic Status of Rheumatoid Arthritis: Introduction of a Shortened Erosion Scale*  Frederick Wolfe, Désirée van der Heijde, and Arvi Larsen

Chapter Ten:  *Using Rasch Measurement with Medical Data*  Kyle Perkins, Benjamin D. Wright, and J. Kevin Dorsey

Chapter Eleven:  *Rater Effects on Disease Activity Scale*  Rita K. Bode et al.

Chapter Twelve:  *Representing Treatment Effects with Variable Maps*  Everett V. Smith, Jr.

Chapter Thirteen:  *The LIFEmare System SM and Rasch Analysis: Evaluating Functional Status of Multiple Sclerosis Patients*  Carl V. Granger and Marsha Carlin

Chapter Fourteen:  *Several Noncategorical Measures Define Air Pollution Construct*  Pedro Alvarez