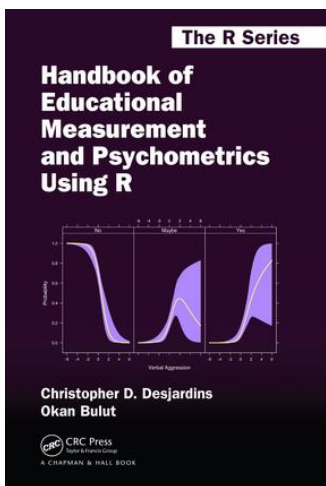


最近の変化と今後の動向を探索する包括的なランドマーク・リファレンス



## Rを用いた教育測定と心理測定の ハンドブック Handbook of Educational Measurement and Psychometrics Using R

Edited by **Christopher D. Desjardins, Okan Bulut**

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現在、Rと同様に教育測定や心理測定に関する多くの入門教科書がありますが、測定や心理測定の重要なトピックとRへの応用についてまとめた本はありません。

このハンドブックは、理論に基づく入門書または進歩した教科書の補完的な本として、学部生および大学院生、研究者、実践者を対象としています。

### 本書の内容

The Handbook of Educational Measurement and Psychometrics Using R covers a variety of topics, including classical test theory; generalizability theory; the factor analytic approach in measurement; unidimensional, multidimensional, and explanatory item response modeling; test equating; visualizing measurement models; measurement invariance; and differential item functioning.

This handbook is intended for undergraduate and graduate students, researchers, and practitioners as a complementary book to a theory-based introductory or advanced textbook in measurement. Practitioners and researchers who are familiar with the measurement models but need to refresh their memory and learn how to apply the measurement models in R, would find this handbook quite fulfilling. Students taking a course on measurement and psychometrics will find this handbook helpful in applying the methods they are learning in class. In addition, instructors teaching educational measurement and psychometrics will find our handbook as a useful supplement for their course.

## 本書の目次

**Introduction to the R Programming Language**

**Classical Test Theory**

**Generalizability Theory**

**Factor Analytic Approach in Measurement**

**Item Response Theory for Dichotomous Items**

**Item Response Theory for Polytomous Items**

**Multidimensional Item Response Theory**

**Explanatory Item Response Theory**

**Visualizing Data and Measurement Models**

**Equating**

**Measurement Invariance and Differential Item Functioning**

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