

PSICOMETRIA

26912

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Unitat de Metodologia de les Ciències del Comportament
Departament de Psicobiologia i Metodologia de les Ciències de la Salut

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OBJECTIVES

- To use correctly psychometric vocabulary.
- To know the criteria to select the tests and the directives to use them and to adapt them.
- To know what characteristics of the tests determine and affect their validity and reliability.
- To identify pertinent strategies to evaluate the validity and the reliability of the tests.
- To interpret correctly tests scores.
- To read, understand and summarize scientific reports on the psychometric properties of the tests, with the aim to select tests for a concrete use.

CONTENTS

Thematic block 1: Introduction

1. What is a test and what do we use them for?
2. Criteria for tests selection

Thematic block 2: Validity

1. Definition of validity
2. Test content
3. Response processes
4. Internal structure of the tests
5. Relations to other variables
6. Consequences of testing
7. Considerations in assessing the validity of a test

Thematic block 3: Reliability

1. Definition of reliability
2. Reliability according to the Classical Test Theory
 - 2.1. Temporary stability of a measure
 - 2.2. Equivalence between measures
 - 2.3. Internal consistency of a measure
3. Reliability according to the Generalizability Theory
 - 3.1. Studies G

- 3.2. Studies D
- 2.3. Coefficients of reliability
- 4. Reliability according to the Item Response Theory
 - 4.1. Basic concepts of the IRT
 - 4.2. IRT models
 - 4.3. The Information Function
- 5. The reliability and the estimation of the true scores
- 6. Considerations in assessing the reliability of a test

Thematic block 4: Interpretation of test scores

- 1. How to interpret test scores?
- 2. Test score transformations
- 3. Comparison of test scores
- 4. Communication of test results

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