



MAB-II

Multidimensional Aptitude Battery-II

Douglas N. Jackson, Ph.D. © 1984, 1998

Accurately and Objectively Assess Intellectual Abilities



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About SIGMA Assessment Systems, Inc.

- **Established in 1967**
 - Founded by Douglas N. Jackson, Ph.D.
 - Founding member of the Association of Test Publishers.
- **International reputation for excellence.**
 - SIGMA's assessments have been translated into over a dozen languages, and SIGMA licenses its Intellectual Property to test publishers throughout the world
 - The Career Directions Inventory, an assessment developed by SIGMA, is one of the most widely used career assessments on the Internet.
 - SIGMA successfully implemented a large-scale global rollout of 360 Degree Feedback to over 35,000 employees of DaimlerChrysler.
- **Satisfied clients include:** Golf Town, Chapters Indigo Canada, Spinx, Kellogg's, Krispy Kreme Doughnuts, Great Clips, IKEA, EZCorp, Best Buy, Safeway, Sunswept Resorts, Giant Tiger, Schreiber, Wyndham Hotels and Resorts, American Airlines, Shred-It, PriceWaterhouseCoopers, US Army, British Airways, and many more.

About the Author



About Dr. Douglas N. Jackson:

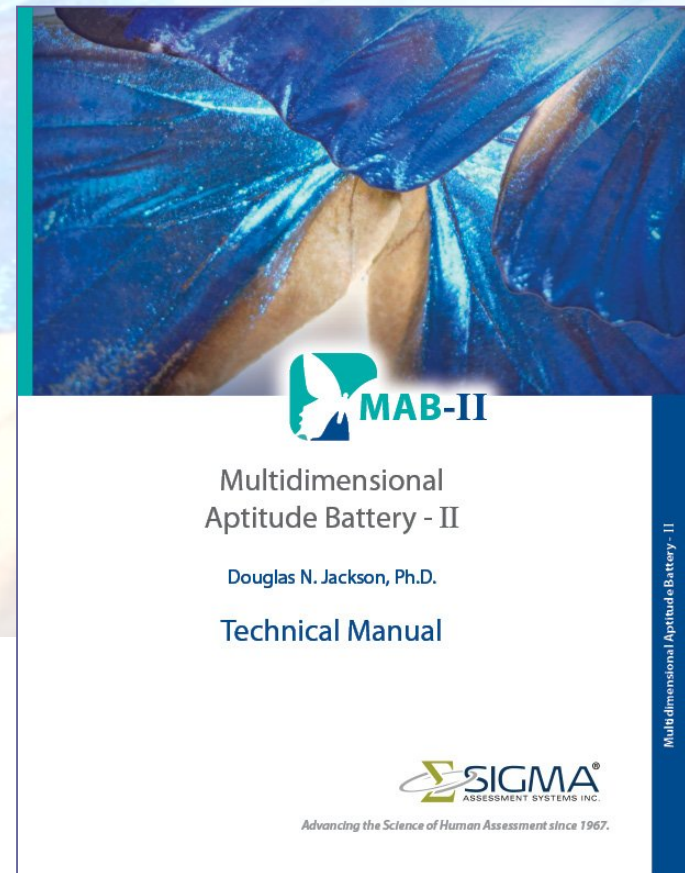
- Former Chair: American Psychological Association's (APA) Committee on Psychological Tests and Assessments.
- Former President: APA's Division of Evaluation, Measurement, and Statistics.
- Awarded the "Samuel J. Messick Award" for Distinguished Scientific Contributions by APA Division 5 (Evaluation, Measurement, and Statistics).
- Former President: Society of Multivariate Experimental Psychology
- One of a very few US Citizens elected a Fellow of the Royal Society of Canada for contributions to science.
- Delegate to International Test Commission and member of its Executive Council.
- Has published over 200 articles in scientific journals and several dozen book chapters.
- Over 3 million people have taken assessments authored by Dr. Jackson.

Multidimensional Aptitude Battery-II: QUICK FACTS

- Comprehensive, objectively scored measure of aptitude and intelligence.
- Composed of 10 subtests and yields a profile of Verbal IQ, Performance IQ and Full Scale (Combined) IQ.
- Favorable review in the Mental Measurements Yearbook (Buros Institute, 2003).
- Languages: English and French.
- Appropriate Age Group: 16 and over.
- Qualifications: Level C
- Scoring: Software, Mail-in, and Hand scorable.

Multidimensional Aptitude Battery-II: APPLICATIONS

- Aptitude assessment for counseling or employment purposes.
- Psychological research on intelligence, and its relationship with other variables, such as job performance and learning.
- Neuropsychological assessment and research.



Distinguishing Features of the MAB-II

- Unlike competing popular measures of intelligence, the MAB-II can be administered individually, and in groups.
- Strong psychometric properties.
- Easy to use and interpret.
 - Hand scorable.
 - MAB-II Software administers, scores, and generates detailed reports.
 - Competing tests must be administered and scored by specially-trained professional.
- Item content allows for generalization among diverse groups (e.g., gender, culture, and nationality).
- Norms are available for nine different age groups.

Distinguishing Features of the MAB-II (continued)

- Research indicates that intelligence or ‘general mental ability’ (GMA) is the best predictor of job performance across a wide variety of jobs (Schmidt & Hunter, 1998).
- The MAB-II was used by NASA for the selection astronauts, and by the US Air Force for the selection of pilots.

MAB-II Scales

Verbal Subtests

- Information
- Comprehension
- Arithmetic
- Similarities
- Vocabulary

Performance Subtests

- Digit Symbol
- Picture Completion
- Spatial
- Picture Arrangement
- Object Assembly

Total Scale Scores

- Verbal
- Performance
- Full Scale

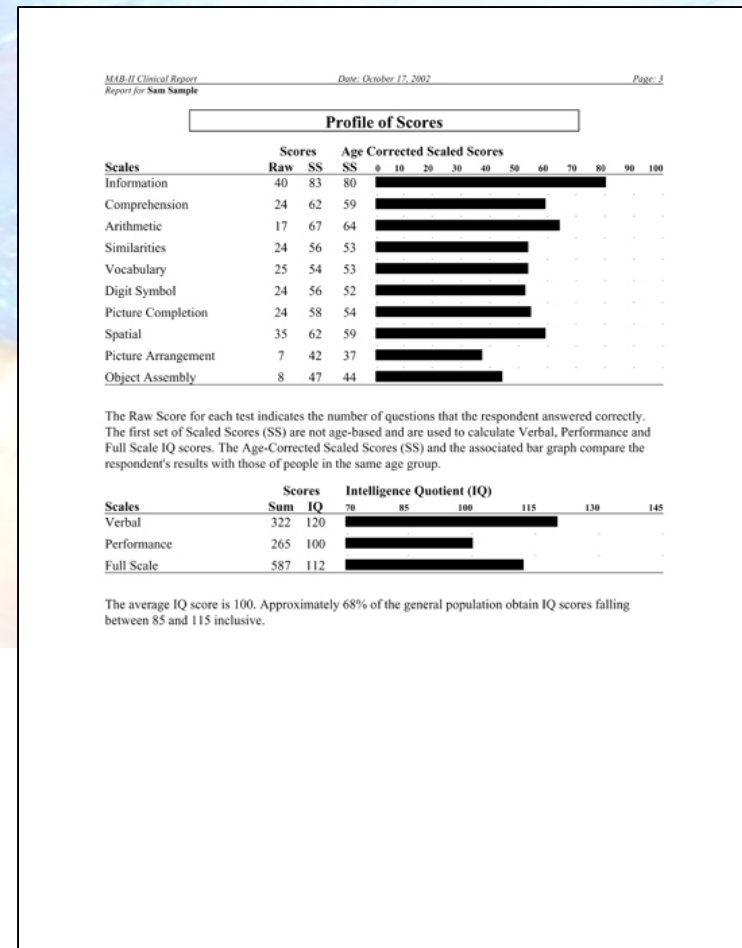
MAB-II Sample Report

1. MAB-II Extended Report

- Raw, standardized, and age-corrected scale scores.
- IQ or Standard score for Verbal, Performance, and Full-Scale.

2. MAB-II Clinical Report.

- Profile of subtests, scale, and full-scale scores.
- Table of raw score responses.
- Interpretation of IQ results.
- Description of differences between Verbal and Performance IQ scores.



Norms & Reliability

- Norms:
 - 800 males and 800 females drawn from the United States and Canada.
 - Systematic sampling of nine age groups.
 - Diverse sample in terms of race and ethnicity, and North American geographic locations.
- Reliability:
 - Median internal consistency reliability (across 6 age samples) was .87.
 - Test-retest reliabilities (separated by an average of 45 days) were:
 - .95 for Verbal
 - .96 for Performance
 - .97 for Full Scale.

Validity of MAB-II

- Principal components factor analysis confirms MAB-II two-factor structure: Verbal and Performance
- Correlations between the MAB-II and a widely used individual IQ measure are:
 - Full Scale .91
 - Performance correlation .79
 - Verbal correlation .94

“The MAB-II is among the best measures of general cognitive ability, and is also the best value.”