

Psychological Testing and Assessment

All fields of human endeavor use measurement in some form, and each field has its own set of measuring tools and measuring units. For example, if you're recently engaged or thinking about becoming engaged, you may have learned about a unit of measure called the carat. If you've been shopping for a computer, you may have learned something about a unit of measurement called a byte. As a student of psychological measurement, you need a working familiarity with some of the commonly used units of measure in psychology as well as knowledge of some of the many measuring tools employed. In the pages that follow, you will gain that knowledge as well as an acquaintance with the history of measurement in psychology and an understanding of its theoretical basis.

Testing and Assessment

The roots of contemporary psychological testing and assessment can be found in early twentieth-century France. In 1905, Alfred Binet and a colleague published a test designed to help place Paris schoolchildren in appropriate classes. Binet's test would have consequences well beyond the Paris school district. Within a decade an English-language version of Binet's test was prepared for use in schools in the United States. When the United States declared war on Germany and entered World War I in 1917, the military needed a way to screen large numbers of recruits quickly for intellectual and emotional problems. Psychological testing provided this methodology. During World War II, the military would depend even more on psychological tests to screen recruits for service. Following the war, more and more tests purporting to measure an ever-widening array of psychological variables were developed and used. There were tests to measure not only intelligence but also personality, brain functioning, performance at work, and many other aspects of psychological and social functioning.

Psychological Testing and Assessment Defined

The world's receptivity to Binet's test in the early twentieth century spawned not only more tests but more test developers, more test publishers, more test users, and the emergence of what, logically enough, has become known as a testing enterprise. "Testing" was the term used to refer to everything from the administration of a test (as in "Testing in progress") to the interpretation of a test score ("The testing indicated that . . ."). During World War I, the term "testing" aptly described the group screening of thousands of military recruits. We suspect that it was then that the term gained a powerful foothold in the vocabulary of professionals and laypeople. The use of "testing" to denote everything from test administration to test interpretation can be found in postwar textbooks (such as Chapman, 1921; Hull, 1922; Spearman, 1927) as well as in various test-related writings for decades thereafter. However, by World War II a semantic distinction between testing and a more inclusive term, "assessment," began to emerge.

Educational Tests And Measurement An Introduction

Anthony J. Nitko, Norman Mulgrave



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