

## MEASURING-TESTING, SCALING-STANDARDIZATION

### **Summary**

*Some basic terms from the domain of data collection has been examined in the article together with the definitions which can make the construction, values control, application and understanding of terms being found during data collection easier. Measuring is defined as follows: 'It could be said that measuring is comparison of some feature to some part or measure of that feature which is precisely defined'. Cempbell's 9 features for transformation of features into figures have been mentioned. Also, some definitions of the term "test" have been examined: 'A test is an objective procedure for provoking a certain reaction and defining the level of that reaction. A test is a means for determination of individual diferrences. A test is an established standardized procedure for provoking certain activities'. Scaling has been defined as follows: 'Transformation of pure scores into a common measuring scale is called tests scaling'. The term of standardization and a scale definition have been mentioned, too. 'The sample which was used for a standard formation is called a standardized sample, and the standard which was made in that kind of a test is called a standardized test. The scale itself is formed by transformation of original scores and it itself is exactly a test norm'. **Understanding the real world is possible thanks to our senses, mind and empirics. Quantity and quality of understanding depend on development level of senses, mind and empirics. However, when there is a need for a decision to be brought we rely on measuring, testing, scaling and standardization, and not only on senses, common sense and empirics.***

**Key words:** *measuring, testing, scaling, standardization*