



What are the four scales (levels) of measurement used in research. What are the 4 types of measurement scales. What are the 4 levels of measurement in research. What are the scales of measurement in research.

Measuring levels in 1946, the University of Harvard Psychological Stanley Smith Stevens developed the theory of four levels of measurement when he published an article in the magazine Science, entitled "on the theory of measuring scales." In this famous article, Stevens argued that all the measurement is conducted using four levels of measurement. The four levels of measure, in order of complexity, are: nominal ordinal interval rate here is a simple trick to remember the four levels of measurement: Think "Noir". Noir is the French word for black. "N" is for nominal. "It" is for interval. And, "r" is for the proportion. Category and quantitative measures: nominal ordinal levels are considered categorical measures, while interval and relationship levels are seen as quantitative measurements. Knowing the level of measurement of your data is critically important, as the techniques used to display, summarize and analyze the data depend on the level of measurement. Let's go back to each of the four levels of measurement. A. The nominal level The nominal level of measurement is the simplest level. "Nominal" means "exist only in the name". With the nominal level of measurement, all we can do is naming or labeling things. Even when we use numbers, these numbers are just names. We can not perform any arithmetic with nominal data. All we can do is naming or labeling things occur. With which things occur. With nominal level of measurement, no significant order is implicit. This means that we can reorder our list of variables  $\hat{a} \in \hat{a} \in$ 

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