

Question #10258

How do I figure out if the respondents in my data set agree or not? The most used measure is standard deviation, but I'm in doubt whether I can do that when my index variables are scale (consist of answers to a number of questions). My question is how do I measure the dispersion in order to figure out whether the population agree when I have a scale variable?

Solution. Yes, you can use something like ANOVA. Here, if the questions $(q_1^n, \dots, q_m^n)_{n=1, N}$, where m is the number of questions, N is the number of people, in your list can be treated as independent and a_i , $i = 1, m$ are scale variables, then you are to calculate the variance of the sample $(q_i^n / \sqrt{a_i})_{n=1, N}$ for each $i = 1, m$ and use a method you want.