

# multidimensional scaling

---

*Source:* <http://sci.tech-archive.net/Archive/sci.stat.edu/2008-04/msg00015.html>

---

- *From:* [botteke alias elke@xxxxxxxxxxx](mailto:botteke_alias_elke@xxxxxxxxxxx)
  - *Date:* Sun, 6 Apr 2008 13:13:46 -0700 (PDT)
- 

dear statisticians,

I have a question concerning an MDS-analysis.

Suppose we want to examine the interrelations in an organisation.

we ask the collegeas (n=15) the two following questions:

- number your collegeas from 'I like to work with the most' till 'I like to work with the least'. The one you like the most you give number one, than two, and so on.
- number your collegeas from 'has the most skills and knowledge about the problems concerning the organisation' till 'has the least skills and knowledge'. The one with the most skills and knowledge receives the score of one, the second best the score of two, and so on.

To examine the interrelations in the organisation we can use MDS. Now, the following problem occurred:

I can put each question in a 15x15 matrix (collegeas with respect to other collegeas), with row conditionality and than do the MDS-analysis. But I'm extremely interested in how those two configurations coincide. How can I do this? Do I use three-way MDS (because all the information I have concerning three-way MDS involves situations where matrices stand for individuals. I want to examine two different constructs in two different matrices)? Or can I use procrustes procedures? Or are there other possibilities? Is all this also possible with SAS?

Thank you in advance,  
E.

.