

# Smacof at 50: A Manual

## Part x: Smacof for Individual Differences

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### **Abstract**

TBD

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**Note:** This is a working manuscript which will be expanded/updated frequently. All suggestions for improvement are welcome. All Rmd, tex, html, pdf, R, and C files are in the public domain. Attribution will be appreciated, but is not required. All files can be found at <https://github.com/deleeuw> in the repositories smacofCode, smacofManual, and smacofExamples. A barebones R package is in the repository smacofID.

# 1 Introduction

1.  $X_k = X$
2.  $X_k = XD_k$  with  $D_k$  diagonal (INDSCAL)
3.  $X_k = XA_k$  with  $A_k$  general (IDIOSCAL)
4.  $X_k = XD_kY'$
5.  $X_k = XA_kY'$
6. Tucker 3
7. PARAFAC 2

## 2 References