

**Escoufier, Yves**

**Operator related to a data matrix: a survey.** (English) [Zbl 1437.62019](#)

Rizzi, Alfredo (ed.) et al., COMPSTAT. Proceedings in computational statistics. 17th symposium held in Rome, Italy, August 28 – September 1, 2006. With CD-Rom. Heidelberg: Physica-Verlag. 285-297 (2006).

Summary: The reading of this article will allow the readers to understand the data analysis approach which is proposed. The first paragraph gives the basic tools: the triplet  $(X, Q, D)$ , the operator related to a data matrix and the coefficient RV. The two following paragraphs show how these tools are used for reading out and solving the problems of joint analysis of several data matrices and of principal component analysis with respect to instrumental variables. The conclusion recalls of the construction of this approach along the past thirty five years.

For the entire collection see [\[Zbl 1097.62502\]](#).

**MSC:**

- 62-08 Computational methods for problems pertaining to statistics
- 62H25 Factor analysis and principal components; correspondence analysis

**Keywords:**

[principal component analysis](#); [correspondence analysis](#); [data matrix](#); [instrumental variable](#); [data matrice](#)

**Software:**

[ade4](#)

**Full Text:** [DOI](#)

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