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Rejoinder on “Compositional data: the sample space and its structure”. (English)

Zbl 1428.62221

Test 28, No. 3, 658-663 (2019).

Rejoinder to the comments [Zbl 1428.62224; Zbl 1428.62227; Zbl 1428.62233] on the authors' paper [ibid. 28, No. 3, 599–638 (2019; Zbl 1428.62220)].

MSC:

- 62H12 Estimation in multivariate analysis
- 62H25 Factor analysis and principal components; correspondence analysis
- 62P20 Applications of statistics to economics
- 60F05 Central limit and other weak theorems
- 62G30 Order statistics; empirical distribution functions

Keywords:

compositional data

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References:

- [1] Aitchison, J., Principal component analysis of compositional data, *Biometrika*, 70, 57-65, (1983) · [Zbl 0515.62057](#)
- [2] Aitchison J (1986) The statistical analysis of compositional data. Monographs on statistics and applied probability. Chapman & Hall Ltd., London, 416 p (Reprinted in 2003 with additional material by The Blackburn Press)
- [3] Aitchison, J.; Greenacre, M., Biplots for compositional data, *J R Stat Soc Ser C (Appl Stat)*, 51, 375-392, (2002) · [Zbl 1111.62300](#)
- [4] Barceló-Vidal, C.; Martín-Fernández, JA, The mathematics of compositional analysis, *Austrian J Stat*, 45, 57-71, (2016)
- [5] Egozcue, JJ; Pawlowsky-Glahn, V., Groups of parts and their balances in compositional data analysis, *Math Geol*, 37, 795-828, (2005) · [Zbl 1177.86018](#)
- [6] Egozcue, JJ; Pawlowsky-Glahn, V., Evidence functions: a compositional approach to information (invited paper), *SORT Stat Oper Res Trans*, 42, 1-24, (2018) · [Zbl 1403.60008](#)
- [7] Egozcue, JJ; Pawlowsky-Glahn, V.; Mateu-Figueras, G.; Barceló-Vidal, C., Isometric logratio transformations for compositional data analysis, *Math Geol*, 35, 279-300, (2003) · [Zbl 1302.86024](#)
- [8] Filzmoser, P.; Hron, K., Outlier detection for compositional data using robust methods, *Math Geosci*, 40, 233-248, (2008) · [Zbl 1135.62040](#)
- [9] Greenacre M (2018) Variable selection in compositional data analysis, using pairwise logratios. *Math Geosci*. <https://doi.org/10.1007/s11004-018-9754-x> · [Zbl 1421.86020](#)
- [10] Mateu-Figueras, G.; Pawlowsky-Glahn, V.; Egozcue, JJ; Pawlowsky-Glahn, V. (ed.); Buccianti, A. (ed.), The principle of working on coordinates, 29-42, (2011), Hoboken
- [11] Pawlowsky-Glahn, V.; Egozcue, JJ, Geometric approach to statistical analysis on the simplex, *Stoch Environ Res Risk Assess (SERRA)*, 15, 384-398, (2001) · [Zbl 0987.62001](#)
- [12] Pawlowsky-Glahn V, Olea RA (2004) Geostatistical analysis of compositional data. *Studies in mathematical geology*, vol 7. Oxford University Press, Oxford, 208p · [Zbl 1105.86004](#)
- [13] Pawlowsky-Glahn, V.; Egozcue, JJ; Lovell, D., Tools for compositional data with a total, *Stat Model*, 15, 175-190, (2015)

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