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Selected publications

K V Mardia

1. Monographs

Families of Bivariate Distributions (K.V. Mardia). Charles Griffin, London, 1970.

Statistics of Directional Data (K.V. Mardia). Academic Press, New York, 1972. Translated in Russian.

Tables of the F- and Related Distributions with Algorithms (K.V. Mardia and P.J. Zemroch). Academic Press, London and New York, 1978.

Multivariate Analysis (K.V. Mardia, J.T. Kent and J.M. Bibby). Academic Press, New York, 1979. Translated in Persian.

Statistical Shape Analysis (I.L. Dryden and K.V. Mardia). John Wiley & Sons, Ltd, Chichester, 1998.

Directional Statistics, 2nd edition (K.V. Mardia and P.E. Jupp). John Wiley & Sons, Ltd, Chichester, 2000.

2. Edited Volumes

Statistics in Earth Sciences (Ed. K.V. Mardia). A special issue of the *Communications in Statistics* **A10**(15), 1989.

Statistical Methods in Image Processing (Ed. K.V. Mardia). A special issue of the *Journal of Applied Statistics* **16**(2), 1989.

The Art of Statistical Science (Ed. K.V. Mardia). In honor of G.S. Watson. John Wiley & Sons, Inc., New York, 1992.

Statistics and Images: Vol. I, (Eds. K.V. Mardia and G. Kanji). Carfax Publishing, Abingdon, Oxfordshire, 1993.

- Statistics and Images: Vol. II.* (Eds. K.V. Mardia and G. Kanji) Carfax Publishing, Abingdon, Oxfordshire, 1994.
- Current Issues in Statistical Shape Analysis*, (Eds. K.V. Mardia and C.A. Gill). Proceedings: Leeds University Press, 1995.
- Image Fusion and Shape Variability Techniques*, (Eds. K.V. Mardia, C.A. Gill and I.L. Dryden), Leeds University Press, 1996.
- The Art and Science of Bayesian Image Analysis*, (Eds. K.V. Mardia, C.A. Gill and R.G. Aykroyd). Leeds University Press, 1997.
- Medical Image Understanding and Analysis '98*, (Eds. K.V. Mardia, E. Berry, D.C. Hogg and M.A. Smith). British Machine Vision Association Publication, 1998.
- Spatial Temporal Modelling and its Applications*, (Eds. K.V. Mardia, R.G. Aykroyd and I.L. Dryden). Proceedings: Leeds University Press, 1999.
- Functional and Spatial Data Analysis*, (Eds. K.V. Mardia and R.G. Aykroyd). Proceedings: Leeds University Press, 2001.
- Statistics of Large Datasets*, (Eds. K.V. Mardia, R.G. Aykroyd and P. McDonnell). Proceedings: Leeds University Press, 2002.
- Stochastic Geometry, Biological Structure and Images*, (Eds. K.V. Mardia, R.G. Aykroyd and M.J. Langdon). Proceedings: Leeds University Press, 2003.
- Bioinformatics, Images, and Wavelets*, (Eds. K.V. Mardia, R.G. Aykroyd and S. Barber). Proceedings: Leeds University Press, 2004.
- Quantitative Biology, Shape Analysis, and Wavelets*, (Eds. K.V. Mardia, S. Barber, P.D. Baxter and R.E. Walls). Proceedings: Leeds University Press, 2005.
- Interdisciplinary Statistics and Bioinformatics*, (Eds. K.V. Mardia, S. Barber, P.D. Baxter and R.E. Walls). Proceedings: Leeds University Press, 2006.
- Systems Biology & Statistical Bioinformatics*, (Eds. K.V. Mardia, S. Barber and P.D. Baxter). Proceedings: Leeds University Press, 2007.
- The Art and Science of Statistical Bioinformatics. LASR 2008 Proceedings.* (Eds. S. Barber, P.D. Baxter, A. Gusnanto and K.V. Mardia), Leeds University Press, 2008, pp. 46–46.
- Statistical Complexity in Protein Bioinformatics. LASR 2009 Proceedings.* (Eds. A. Gusnanto, K.V. Mardia and C.J. Fallaize), Leeds University Press, 2009, pp. 9–20.
- High Throughput Sequencing, Proteins and Statistics. LASR 2010 Proceedings.* (Eds. A. Gusnanto, K.V. Mardia, C.J. Fallaize and J. Voss), Leeds University Press, 2010.
- Next Generation Statistics in Biosciences. LASR 2011 Proceedings.* (Eds. K.V. Mardia, A. Gusnanto, A.D. Riley and J. Voss), Leeds University Press, 2011.
- New Statistics and Modern Natural Sciences.* (Eds. K.V. Mardia, A. Gusnanto, A.D. Riley and J. Voss) (2012) Leeds University Press.
- Bayesian Methods in Structural Bioinformatics.* (Eds. T. Hamelryck, K.V. Mardia and J. Ferkinghoff-Borg). Springer-Verlag.
- Statistical Models and Methods for non-Euclidean Data with Current Scientific Applications. LASR 2013 Proceedings.* (Eds. K.V. Mardia, A. Gusnanto, A.D. Riley and J. Voss). Leeds University Press, 2013.

3. Journal Research Papers

- 1962 Mardia, K.V. Multivariate Pareto distributions. *Annals of Mathematical Statistics* **33**, 1008–1015.
- 1964 Mardia, K.V. Some results on the order statistics of the multivariate normal and Pareto-Type 1 populations. *Annals of Mathematical Statistics* **35**, 1815–1818.

- 1967 Mardia, K.V. Correlation of the ranges of correlated samples. *Biometrika* **54**, 529–539.
- 1967 Mardia, K.V. A non-parametric test for the bivariate two-sample location problem. *Journal of the Royal Statistical Society Series B* **29**, 320–342.
- 1967 Mardia, K.V. Some contributions to contingency-type bivariate distributions. *Biometrika* **54**, 235–249. [Corrections in *Biometrika*, 1968, Vol.55, p597].
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- 1978 Jupp, P.E. and Mardia, K.V. Density preserving statistics and densities for sample means. *Annals of Probability* **6**, 688–694.
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- 1988 Mardia, K.V. and Hainsworth, T.J. A spatial thresholding method for image segmentation. *IEEE Transactions on Pattern Analysis and Machine Intelligence* **10**, 919–927.
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4. Articles in Edited Volumes (other than edited by Mardia)

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