



Ordinary Meeting

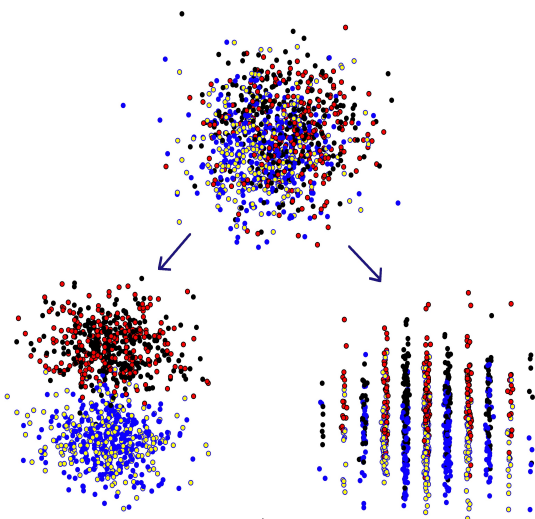
Organized by the Research Section

“Invariant coordinate analysis”,

by David E. Tyler (Rutgers University), Frank Critchley (Open University), Lutz Dümbgen (Universität Bern) and Hannu Oja (University of Tampere)

Wednesday 17 December 2008, 5pm

RSS Headquarters, 12 Errol Street, London



Summary

We propose a general method for transforming multivariate data to affine invariant coordinates. By plotting the data with respect to these invariant coordinate systems, various data structures can be revealed. Under certain independent components models, the invariant coordinates correspond to the independent components. For mixtures of elliptical distributions, the invariant coordinates can be used to identify Fisher's linear discriminant subspace, even though the class identifications are unknown. Some illustrative examples are given.

The paper can be downloaded in advance from:

<http://www.rss.org.uk/main.asp?page=1836>

Fellows and visitors are invited to make contributions of no longer than 5 minutes following the reading of the paper. Please register your interest with the Secretary of the RSS Research Section Committee (e.c.wit@rug.nl) or C. Stovell at the RSS (c.stovell@rss.org.uk).

Tea is served at 4:30pm. **The meeting will be held at the RSS Headquarters in London:**

12 Errol Street
(close to Moorgate & Farringdon Underground/Railway stations)
London EC1Y 8LX
Tel: +44(0)20 7638 8998

For more information, contact Charlotte Stovell at the RSS (c.stovell@rss.org.uk).

After the meeting you can meet the authors over **dinner**. Book your place in advance: Teresa Dewane (tel. 020-7614 3910, t.dewane@rss.org.uk), price £20 (£10 for student RSS members).