

FIFTH INTERNATIONAL WORKSHOP ON MATRIX METHODS FOR STATISTICS

Workshop Programme

Thursday 18 July 1996 Room G1

Morning Session - Chairman, George P H Styan

09.15 Opening Remarks

09.30 J.C.Gower, Approximating a matrix of nominal values

10.00 T.Downs, Testing Hypotheses about Random Planes in n-dimensional Space.

10.30 COFFEE

11.00 D.S.G.Pollock, Stability conditions for linear stochastic models: a survey.

11.30 E.I.Im, Narrower bounds for characteristic roots of Hadamard products

12.00 T.Kollo and H.Neudecker, Derivative of the eigenvectors of a symmetric matrix

12.30 LUNCH

Afternoon Session - Chairman, John S Chipman

14.00 R.W.Farebrother, A class of estimators related to principal components.

14.30 S.Wang, Löwner ordering of matrix constraints and matrix extensions of the Cauchy-Schwarz inequality.

15.00 J.Hauke, Issues involved in star orderings and their statistical applications.

15.30 TEA/COFFEE

16.00 J.Gross, G.Trenkler and S.O. Troschke, On semi-orthogonality and a special class of matrices.

16.30 R.E.Hartwig and P.Semrl, Power additivity and orthogonality.

17.00 Finish

Note: Workshop Dinner - Coach leaves from the Guildhall at 19.00.

FIFTH INTERNATIONAL WORKSHOP ON MATRIX METHODS FOR STATISTICS

Workshop Programme

Friday 19 July 1996 Room G7

Morning Session - Chairman, Hans-Joachim Werner

- 09.00 P.Groenen, Iterative majorization for minimizing complicated functions.
- 09.30 B.J.van Os, P.J.F Groenen, and J.J.Meulman, Solving a constrained nonnegative least squares problem within an iterative majorization scheme.
- 10.00 N.Gaffke and B.Heiligers, Second order methods for computing linear minimax estimators.
- 10.30 COFFEE
- 11.00 L.Firingueti, Some properties of shrinkage parameters of operational ridge regression estimators.
- 11.30 B.Heiligers and A.Markiewicz, Linear sufficiency and admissibility in restricted linear models.
- 12.00 J.S.Chipman, Matrix mean square error evaluation of some unbiased estimators.
- 12.30 LUNCH

Afternoon Session - Chairman, Tony O'Hagan

- 14.15 P.Bertrand, Making statistical quirks and antiquirks.
- 14.45 G.G.Joseph, Matrix methods in demographic analysis
- 15.15 TEA/COFFEE
- 15.45 G. Alpargu and G.P.H.Styan, The Kantorovich inequality and five related inequalities; 1914-1959.
- 16.15 H.J.Werner and C.Yapar, On inequality constrained generalised least squares selections in the general (possibly singular) Gauss-Markov model.
- 16.45 Finish

Note: Vineyard trip - Coach leaves from the Guildhall at 18.40

SOCIAL PROGRAMME

The Welcome Reception will be held in the Clive House Museum on College Hill from 18.00 to 20.00 on Wednesday 17 July 1996. Please make your own way to the museum. Please note that there are no parking facilities.

The Workshop Dinner will be held at the Rowton Castle Hotel on Thursday 18 July 1996. A coach will pick up participants staying at the Prince Rupert and The Lion Hotels outside the Guildhall on St Mary's Street at 19.00. For those at the Abbots Mead and the Lion and Pheasant hotels the coach will pick up near the bus stop opposite the Lion and Pheasant hotel a few minutes later. The coach will not be able to park for long so please make sure that you are at the pick-up points well before the time. If you miss the coach please take a taxi to the hotel. Unfortunately we are not able to offer refunds for non arrivals.

The evening visit to Wroxeter Vineyard will take place on Friday 19 July 1996. The pick up points will be as above but the coach will leave the Guildhall twenty minutes earlier at 18.40. The coach will not be able to park for long so please make sure that you are at the pick-up points well before this time. If you miss the coach please take a taxi to the vineyard. Again we are not able to offer refunds for non arrivals.

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MATRIX METHODS FOR STATISTICS

LIST OF PARTICIPANTS

P.Bertrand	(University of Birmingham, UK)
J.S.Chipman	(University of Minnesota, Minneapolis, USA)
T.Downs	(University of Texas, Houston, USA)
R.W.Farebrother	(Victoria University of Manchester, UK)
L.Firingueti	(University of Santiago, Chile)
J.C.Gower	(Open University, Milton Keynes, UK)
P.Groenen	(University of Leiden, Netherlands)
M.Harrison	(Trinity College Dublin, Ireland)
J.Hauke	(Adam Mickiewicz University, Poznan, Poland)
B.Heiligers	(University of Magdeburg, Germany)
E.M.Hodgess	(University of Houston-Downtown, USA)
E.I.Im	(University of Hawaii, USA)
H.C.Jenssen	(Victoria University of Manchester, UK)
G.G.Joseph	(Victoria University of Manchester, UK)
A.Markiewicz	(Agricultural University of Poznan, Poland)
H.Neudecker	(University of Amsterdam, Netherlands)
A.O'Hagen	(University of Nottingham, UK)
D.S.G.Pollock	(Queen Mary and Westfield College London, UK)
P.Semrl	(University of Maribor, Slovenia)
G.P.H.Styan	(McGill University, Montreal, Canada)
H.Taeger	(University of Dortmund, Germany)
G.Trenkler	(University of Dortmund, Germany)
S.O.Troschke	(University of Dortmund, Germany)
B.J.van Os	(University of Leiden, Netherlands)
S.G.Wang	(Beijing Polytechnic University, China)
H.J.Werner	(University of Bonn, Germany)