

Meddelelser, v/ Eva B. Vedel Jensen
Matematisk Institut
Århus Universitet

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Næste nummer af "MEDDELELSER" udkommer i begyndelsen af november.
Bidrag til dette nummer skal være redaktøren i hænde senest **mandag den 24. oktober 1994**.
Bidrag bedes sendt til:

Meddelelser, v/ Eva B. Vedel Jensen
Afdeling for Teoretisk Statistik
Matematisk Institut
Ny Munkegade
8000 Århus C
eller med e-mail til: eva@mi.aau.dk

Samme adresse bedes benyttet ved **indmeldelse** i DSTS og ved **adresseændring**.

MEDDELELSER

Dansk Selskab for Teoretisk Statistik

19. aargang nr. 8

oktober 1994

AFTENMØDE I SELSKABET

Tirsdag den 25. oktober 1994 kl. 19.30

i Auditorium 10, H.C. Ørsted Instituttet

Bendix Carstensen & Michael Andersson (Cancerregisteret & Rigshospitalet)

Thorotrast Undersøgelsen

Resumé

I perioden 1935–45 brugtes et røntgenkontrastmiddel, Thorotrast, ved røntgenoptagelser af hjernens blodkar. Midlet indeholder grundstoffet Thorium, væsentligst som ^{232}Tn , der er radioaktivt med en halveringstid på 1.4×10^{10} år. Thorotrast udskilles stort set ikke fra kroppen og omkring 60% vil ophobe sig i leveren og omkring 10% i knoglemarven. Patienterne er altså udsat for en livslang α -bestråling af leveren og knoglemarven, der p.g.a. den lange halveringstid er konstant. α -partiklerne trænger kun gennem 20–30 μ af vævet, svarende til 3–4 cellelag inden de stoppes.

Michael Andersson har overtaget og gennemrevideret et gammelt register over ca. 1000 patienter, og har indsamlet yderligere oplysninger fra journaler og patologiske præparater fra patienterne. Der foreligger altså en fuldstændig opfølgning af patienterne m.h.t. dødsårsag og evt. cancerdiagnose indtil 1992.

Materialet er analyseret med henblik på at kvantificere effekten af konstant lavdosis-stråling til leveren og knoglemarven, dvs. med end-points levercancer hhv. leukæmi. Endvidere er det undersøgt om forskellige undertyper af levercancer har samme karakteristika m.h.t. stråleinduktion.

Ud over de cancerfremkaldende effekter er det af interesse at undersøge om patienterne oplever højere dødelighed som følge af Thorotrast eksponeringen. Patientgruppen har naturligvis en stor overdødelighed i forhold til den almindelige befolkning

p.g.a. inklusionskriterierne, så MA har indsamlet data fra Rigshospitalets neurokirurgiske afdeling om patienter der har fået lavet den samme undersøgelse *uden* Thorotrast i perioden 1946–63. Disse to grupper overdødelighed er sammenlignet.

Jeg vil diskutere hvilke problemer man løber ind i ved blot at lave en simpel SMR-sammenligning, og vise hvordan visse af problemerne kan klares med passende modellering, og hvordan andre kan anskueliggøres så man får et bedre grundlag for at vurdere den mulige effekt af Thorotrast på forskellige dødsårsager.

Efter foredraget vil der være uformelt samvær på Institut for Matematisk Statistik.

DSTS's egen kalender

Todagesmøde 22.–23. november

Todagesmødet afholdes ved Afdeling for Teoretisk Statistik, Matematisk Institut, Aarhus Universitet.

Temaet for mødet bliver *statistisk inferens for diffusionsprocesser*. Der bliver følgende foredragsholdere indenfor dette emne

Michael Sørensen, ATS

Asger Roer Pedersen, ATS, Ph.D. studerende

Martin Jacobsen, KUIMS

Anders Stockmarr, KUIMS, Ph.D. studerende

Michael Sørensen vil lave oversigtsforedrag, mens Asger Roer Pedersen vil bl.a. tale om anvendelser indenfor ferskvandsøkologi. Martin Jacobsen og Anders Stockmarr koordinerer ligeledes deres foredrag.

Desuden vil der være foredrag ved Michael Væth, der netop er udnævnt til professor i statistik ved Institut for Biostatistik, Det Sundhedsvidenskabelige Fakultet, Aarhus Universitet. Han vil tale om analyserne af 'The life span study'. Det drejer sig om follow-up studierne af overlevende fra atombombningerne af Hiroshima og Nagasaki.

Det endelige program med resuméer kommer i næste nummer, ligesom de praktiske detaljer angående tilmelding mv.

Juleaftenmøde i selskabet 6. december

Det er meningen at gøre noget særligt ud af aftenmødet i december. Bestyrelsen har kig på et spændende foredrag, men har endnu ikke fået en endelig bekræftelse fra foredragsholderen. Foredraget starter kl. 18.15 i København Universitets hovedbygning, Vor Frue Plads, Auditorium 6. Efter mødet vil der blive arrangeret fællesspisning på en restaurant i den indre by (deltagerne betaler selv — forslag til sted modtages gerne af bestyrelsen). Nærmere detaljer om foredrag i næste nummer af meddelelser.

Generalforsamling 21. februar 1995

Todagesmøde 2.-3. maj 1995

Nye e-mail adresser for bestyrelsesmedlemmer

David Edwards: ded@research.novo.dk

Søren Tolver Jensen: soerent@math.ku.dk

ECAS

The Fifth Course in the ECAS Programme

LONGITUDINAL DATA ANALYSIS — AND — REPEATED MEASURES

MILTON KEYNES, ENGLAND

September 11 – 15, 1995

DETAILS

Location

Delegates will be accommodated and the course will be held at the *Unisys European Training Centre* in Milton Keynes, England.

Scientific Programme Committee

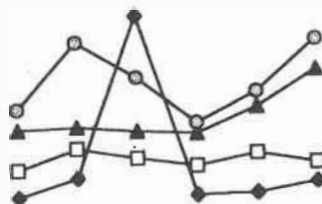
Peter Diggle (UK, Chair)
Daniel Peña (Spain)
Siegfried Heller (Germany)
Willem Heiser (Netherlands)
David Hand (UK)

Organizing Committee

David Hand (Chair), Shirley Hitchcock, Peter Diggle, Fergus Daly, John Gower, Chris Jones, Kevin McConway, Mike Richards.

Scope of the course

Situations in which the objects being studied are measured repeatedly, at a series of successive points in time, arise in many application areas including medicine, psychology and engineering. They present challenging problems for analysis because the observations are not independent, and suitable models must be found to reflect this. Recent years have witnessed the development of powerful new approaches for handling such data, and the aim of this course is to cover those developments. Topics to be covered include linear models for continuous processes, generalized linear models for discrete/non-Gaussian processes, missing values, nonparametric methods and crossover trials. Emphasis is on the situation where several objects are measured at relatively few times, rather than a single object at many times.



GENERAL INFORMATION

Language

All lectures will be given in English; printed work material will be in English.

Application

The number of participants is limited to 80. The deadline for applications for registration is May 1, 1995. Applicants will be informed by July 1, 1995.

Bursaries

It is hoped to favour the participation of young researchers with bursaries (to cover some or all of the registration fee and accommodation costs, but not including travel). The bursaries are limited. Details are available with other course information: the deadline for application will be May 1, 1995 and successful candidates will be notified by July 1, 1995.

Accommodation

Accommodation in single-occupancy rooms (*en suite*) is available in the Unisys Centre, where the course is to be held. Accompanied delegates may reserve adjacent rooms or may book in to a nearby hotel (details available on request).

Travel Information

Milton Keynes is located 80 km north of London. There is direct access by coach from Heathrow Airport: there is a train service via the capital. The Unisys Conference Centre is very close to Junction 14 of the M1 motorway.

AIMS OF THE ECAS PROGRAMME

The courses are intended to achieve

- postgraduate training in special areas of statistics for both researchers and teachers in statistics or professionals working in industry and public administration;
- discussion forums to promote the scientific co-operation of statisticians from different EU countries and between universities and industry;
- the promotion of new statistical methods into various fields of application.

Sponsors

The programme is sponsored by the European Union and the following national societies:

Association pour la Statistique et ses Utilisations, Deutsche Biometrische Gesellschaft, Deutsche Gesellschaft für Med. Informatik und Statistik, Deutsche Statistische Gesellschaft, Società Italiana di Statistica, Vereniging voor Statistiek, Royal Statistical Society, Greek Statistical Society, Spanish Statistical Association, Danish Society for Theoretical Statistics, Finnish Statistical Society.

Other societies are expected to join the programme.

If you are (or think you may be) interested in attending this course, then please cut off the appropriate section and send it to the address shown. Further details and an application form will be sent to you as soon as they become available.

Direction of the Programme

Responsible for the total programme is an Advisory Board, consisting at present of Jean-Jacques Droesbeke (Société Belge de Statistique), Michael Sorensen (Dansk Selskab for Teoretisk Statistik), Ilkka Mellin (Sijomen Tilastoseura Statistika Samfundet i Finland), Bernard Fichet (Association pour la Statistique et ses Utilisations), Siegfried Heiler (Deutsche Statistische Gesellschaft, Deutsche Region der Internationalen Biometrischen Gesellschaft, Gesellschaft für Medizinische Dokumentation und Statistik), Theo Cacoullos (Greek Statistical Institute), Bruno Chianotto (Società Italiana di Statistica), Willem Heiser (Vereniging voor Statistiek en Operationele Research), Daniel Peña (Sociedad de Estadística e Investigación Operativa), Stephan Morgenthaler (Schweizerische Gesellschaft für Statistik, Société Suisse de Statistique), John Gower (Royal Statistical Society)

Style of the courses

Each course is devoted to one special topic, which will be treated at a high level, and including recent developments. Special attention will be paid to applications. The subject matter will be presented in the form of co-ordinated lectures given by experts from different countries.

Participants

A main requirement for participation is a good background in mathematics and statistics, not necessarily oriented to the subject of the course. The number of participants will be restricted to 80 to allow a co-operative style of work. The percentage of young researchers should be high, and the regional distribution of the participants will be taken into account in order to have a balanced attendance from the different European countries.

REQUEST FOR FURTHER DETAILS

To Dr Fergus Daly
Registrations, ECAS 95
Department of Statistics
The Open University
MILTON KEYNES
MK7 6AA
England

Name & Title

First name

Address

Post Code

Country

EMAIL

FAX

PHONE

Please keep me informed
about ECAS 95

**The First Ukrainian-Scandinavian Conference
on Stochastic Dynamical Systems:
Theory and Applications**

Uzhgorod, Ukraine, September 30-October 5, 1995

FIRST ANNOUNCEMENT

Stochastic Dynamical Systems (s.d.s.) is a rapidly developing area of research based on deep intersections between Theory of Random Processes on one side and Theory of Dynamical Systems on the other. This area includes wide classes of stochastic models such as Markov chains and processes, Random walks, Random evolutions, Stochastic flows, Stochastic difference and differential equations, Stochastic optimization procedures, Linear and non-linear time series, Dynamical systems (stochastic aspects), Stochastic models of population dynamics, Epidemic models, etc.

Main Topics of the Conference Include:

- statistical problems in s.d.s.
- simulation of s.d.s.
- stability and control of s.d.s.
- applications of s.d.s. in physics, biology, economics, etc.
- asymptotic behavior, limit theorems and ergodic properties of s.d.s.
- analytical methods in s.d.s.
- boundary value problems
- martingale problems

Organizing Committee:

Vladimir Korolyuk (chair, Ukraine), Gunnar Kulldorff (co-chair, Sweden), Vladimir Anisimov (Ukraine), Elja Arjas (Finland), Søren Asmussen (Denmark), Oleg Klesov (Ukraine), Andrei Motsa (Ukraine), Dmitrii Silvestrov (Sweden), Anatolii Svishchuk (Ukraine), Dag Tjøstheim (Norway), Mikhail Yadrenko (Ukraine)

Sponsoring Institutions:

- National Academy of Sciences of Ukraine
- Academy of Higher Education of Ukraine
- Statistical Association of Ukraine
- Institute of Mathematics of the National Academy of Sciences of Ukraine, Kiev
- National University of Ukraine, Kiev
- Uzhgorod University, Ukraine
- TBiMC Scientific Publishers, Kiev, Ukraine
- Danish Society for Theoretical Statistics
- Finnish Statistical Society
- Norwegian Statistical Society
- Swedish Statistical Association
- University of Umeå, Sweden

Executive Committee:

Oleg Klesov	Dmitrii Silvestrov
Ukraine	Institute of Mathematical Statistics
253091 Kiev	University of Umeå
ul. Revutskogo, 19/1, kv. 32	S-901 87, Umeå
TBiMC Scientific Publishers	Sweden
tel.: (044) 513-84-07	tel.: 46-90-169918
fax: (044) 513-84-07	fax: 46-90-167658
e-mail: tbimc@sovam.com	e-mail: dmitrii@matstat.umu.se

Participants:

There will be at most 100 participants from Ukraine and Scandinavian countries. Some experts from Baltic countries, Belorussia, Moldova, and Russia will also be invited.

Proceedings:

Proceedings will be published in a separate volume just after the Conference. Those wishing to submit their paper are asked to send it to one

of the Executive Committee members before June 15, 1995 to be able to read galley-proofs during the Conference. We welcome files with TeX prepared papers. A style file is available via e-mail from the Executive Committee.

Conference Place:

Uzhgorod is a nice Ukrainian town in the Transcarpathian region which is famous for grape plantations. There are picturesque mountains around Uzhgorod, and a bus excursion in the mountains will be organized. The weather in early October is rather warm and stable.

Conference Fee:

The conference fee will be \$75. The accommodation and meals will be at a low price level. More information will be given in the Second Announcement.

Preliminary Registration:

Preliminary registration can be made by sending the Preliminary registration form given below to the Executive Committee.

Registration:

Please make your registration before June 15, 1995. A later registration is available, too, but the conference fee will be \$100 in this case.

Further Information:

The Second Announcement will be available before March 1, 1995. It will be published and also sent to all persons who have submitted the Preliminary registration form to the Executive Committee.

Preliminary Registration Form

Name:

Affiliation:

Address:

Telephone:

Fax:

E-mail:

Do you intend to give a lecture or communication: yes no
Equipments you need (computer, projector):

Do you intend to submit a paper: yes no
Would you send a disk with TeX file of your paper: yes no

The title of the paper:

What additional information will be of interest for you?



50th Session of the International Statistical Institute
50ème Session de l'Institut International de Statistique
Beijing, 21-29 August 1995 Beijing, 21-29 Août 1995

Reply Form

Please complete and return this form to the Executive Secretariat by 15 December, 1994

Executive Secretariat of the 50th ISI Session
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Name: Prof./Dr./Mr./Ms./.....
 Family name First name Middle name

Address:

Fax: Tel: E-mail:

Admission:

- ☐ Member of the ISI
- ☐ Member of an ISI Section (☐ Bernoulli, ☐ IAOS, ☐ IASC, ☐ IASS, ☐ IASE)
- ☐ Non member, but willing to join one of the ISI Sections
- ☐ Non member, but an organizer, author or discussant of an invited paper
- ☐ Non member representing the following affiliated or invited organization

Attendance:

- ☐ I will definitely attend, accompanied by person(s)
- ☐ I will definitely attend, probably accompanied by person(s)
- ☐ At this moment, I am not sure if I will attend.

Desired hotel category ☐ A ☐ B ☐ C (☐ Single ☐ Double)

Interested Tours: Pre-session Tours ☐ PR-1 ☐ PR-2 ☐ PR-3
 Post-session Tours ☐ PT-1 ☐ PT-2 ☐ PT-3 ☐ PT-4

Participation:

- ☐ Invited paper session ☐ Organizer ☐ Author ☐ Discussant Topic (No.)
- ☐ Selected contributed paper session ☐ Organizer ☐ Author Topic (No.)
- ☐ Other contributed paper session ☐ Author
- ☐ Demonstrator / Exhibitor
- ☐ I wish to receive the registration form as soon as possible

Date:

Signature:

16. Nordiske Konference i Matematisk Statistik

Den 16. nordiske konference i matematisk statistik vil blive holdt i Finland i 1996.



Kræftens Bekæmpelse

Besøgende

Dale Preston fra Radiation Effects Research Foundation i Hiroshima, Japan, besøger Mikael Væth på Institut for Biostatistik, Århus Universitet 1-4. oktober og 5-6. oktober besøger han Kræftens Bekæmpelse, Sektor for Kræftepidemiologi (Cancerregisteret). Dale Preston er en af hovedkræfterne bag programpakken EPICURE.

Seminarer

Dale Preston holder et seminar
 Torsdag 6. oktober kl 10.00 i mødelokale 4.2, 1. sal
 Kræftens Bekæmpelse
 Strandboulevarden 49
 2100 København Ø

Dale Preston:
 A parallel analysis of radiation and breast cancer incidence.

The presentation will describe a parallel analysis of data in radiation effects and breast cancer. Individual data on breast cancer incidence following radiation exposure in six cohorts of women are analysed using poisson regression methods for joint analyses of grouped survival data. The populations include women from Japan, the US, and Sweden. Estimates of excess relative and excess absolute risks are compared. The issues considered in the analyses include comparisons of the level of risk in the various populations, the nature of age at exposure effects, and temporal trends.