January 4 2007

Epidemiology for Biostatisticians, januar 2007

Course plan

Monday, 8 januar 2007

9-11 Introduction to epidemiology: Basic concepts and study designs (MV)
11-12 Introduction to causality (SK)
12-13 Lunch
13-15 Survival analysis models. Competing risks, summary calculations, regression models (PKA)
15-16 Incidence, prevalence and duration. The Lexis diagram, age-period cohort models. (NK)

Tuesday, 9 januar 2007

9-12 Measurement error and multiple response via structural equation models. Confounding. Graphical models and epidemiology. (EBJ, SK)
12-13 Lunch
13-15 Case-cohort, nested case-control designs. Several time scales. (PKA)
15-16 Event history analysis models obtained by conditioning in cohort models. (NK)

Wednesday, 10. januar 2007

9-10 Marginal and conditional modeling, relation to direct and indirect standardization, inverse probability weighting and regression modeling (NK)
10-12 Causality and graphical models in epidemiology (SK)
12-13 Lunch
13-15 Mediation and time-dependent confounding (NK)
15-16 Course evaluation

Teachers

MV Professor Michael Væth, Department of Biostatistics, University of Aarhus
PKA Professor Per Kragh Andersen, Department of Biostatistics, University of Copenhagen.
NK Professor Niels Keiding, Department of Biostatistics, University of Copenhagen.
SK Associate professor Svend Kreiner, Department of Biostatistics, University og Copenhagen.
EBJ Associate professor Esben Budtz-Jørgensen, Department of Biostatistics, University of Copenhagen

Location
Blue Auditorium, Victor Albeck Building, Vennelyst Boulevard 4, 8000 Århus C.