

Workshop on Functional Data Analysis (3 cp)

16-20 March 2009 in Espoo, Otaniemi

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The workshop is designed to provide something of value to as wide a range of participants as possible, ranging from those interested in whether FDA might prove useful in their research, to statistical methodologists looking for research problems and interested in new techniques.

The lectures will intersperse case studies with discussions of statistical and mathematical issues.

Each lecture will begin with one or more case studies, and the initial lectures will be almost entirely case studies. These aim to show the range of applications possible, show what insights might be gained from using FDA methods, and illustrate the challenges that are specific or particularly relevant to the analysis functional data. Case studies are not “how to” sessions, but rather address questions like, “Why should I consider this approach?” and “What should I watch out for?”

The first two days (PART I) will oriented to the motivation and the preliminaries of functional data analysis. The second two days (PART II) will be primarily given over to linear models for functional data and to the modeling of dynamic systems. The last day (PART III) of the workshop is dedicated to work and informal discussion on participants’ FDA related research problems. It will, however, be arranged only if there are enough participants willing to bring their own data to work on. Therefore, **we invite people interested in this PART III to separately register their participation for that part before February 15th 2009 by sending your information to**

sihteeri@biostatistiikanseura.org.

In addition to participating in the entire workshop, it is also possible to participate in individual parts of the workshop (for example, only PART I and/or PART II). **To**

register to PART I and II please send email to the above mentioned email address before 1st of March 2009. Participation is free of charge! For those interested in credit points, we will reward 3 cp for attending all three parts.

More information about FDA can be found on the functional data analysis web site:

<http://ego.psych.mcgill.ca/misc/fda/>

The site will later also include the lectures of the workshop. A similar workshop was organized 2008 in Denmark:

<http://gbi.agrsci.dk/~shd/public/FDA2008/index.html>

The schedule of the workshop in Otaniemi will probably be very similar with lectures from 9 am to 4 pm each day. We are establishing a homepage with all relevant practical details under the Finnish Society of Biostatistics pages:

<http://www.biostatistikanseura.org/>

We will also add links to the workshop under HECSE (<http://www.cs.helsinki.fi/hecse/>) and Department of Computer and Information Science (<http://ics.tkk.fi/fi/>) pages.