



Università di Cagliari



ESSEC
BUSINESS SCHOOL

ISBIS

ISBIS Sardegna Statistics Summer School 2011

June 27th – July 7th 2011

Cagliari, Island of Sardegna - Italy

www2.unica.it/isola/summerisbis2011

ISBIS (the International Association for Business and Industrial Statistics) will be conducting a two-week residential summer school at the Hotel Flamingo Resort, S. Margherita di Pula.

It is designed for PhD students in Statistics and young statistical professionals. Spaces are limited, so book early.

Each week will focus on a particular topic, with a weekend excursion planned for 2 – 3 July. The sessions will feature world leaders in the development of statistical methods and software for large and complex data sets, and in business and industrial statistics. The emphasis will be both on theory and on the application of theory to real-world situations.

Week 1: Statistical Methods and Software for Large and Complex Data Sets

Week 2: Business and Industrial Statistics

Lecturers and Topics:

- **Jaromir Antoch** (Charles University, Czech Republic), “Receiver Operating Characteristic Curves”
- **William S. Cleveland** (Purdue University, USA), “Large and Complex Data Sets”
- **Jerome H. Friedman** (Stanford University, USA), “Statistical Learning”
- **Ray Kordupleski** (Customer Value Management, Inc., USA) & **Nicholas Fisher** (ValueMetrics Australia), “What data do leaders need to run their enterprises?”
- **Roberta Siciliano** (University of Naples “Federico II” – Italy), “Data Mining: Segmentation and Regression Trees”
- **Vincenzo Esposito Vinzi** (ESSEC Business School of Paris, France), “PLS Predictive Path Models with applications to Customer Satisfaction Measurement and Sensory Data Analysis”

The program is being designed to allow plenty of time for participants to interact with other course participants and with the course instructors.

Abstracts and outlines of the lectures are available on the School website at:

www2.unica.it/isola/summerisbis2011

The conference centre of the Hotel Flamingo Resort is well equipped for running short courses and workshops: its design and layout are conducive to group activities and facilitating contact and interaction between course participants and lecturers.

Participants can apply to register for one course (either week 1 or week 2) or for the whole 2-week period (with a reduced registration fee, see below).

Each working day will be organised according to the following schedule:

- Morning sessions (4 hours);
- Time for personal or group informal meetings with lecturers and discussion in the afternoon (3.5 hours);
- Late afternoon sessions (3 hours).

There will be an emphasis on both theory and practice throughout each day.

Daily schedules for both weeks are attached.

The Workshop has been organized by the Department of Economics at the University of Cagliari, ESSEC Business School of Paris, and the International Society for Business and Industrial Statistics, with the financial support of Regione Sardegna, Banco di Sardegna and Università di Cagliari. It will be conducted under the auspices of the Italian Statistical Society (SIS).

School Director: Nicholas Fisher
ISBIS Past-President
ValueMetrics Australia

Chief Organisers: Francesco Mola
Department of Economics
University of Cagliari, Italy

Vincenzo Esposito Vinzi
Department of Information Systems and Decision Sciences
ESSEC Business School of Paris, France

Who should attend:

The Workshop is designed for young people who are either PhD students or in academic or professional employment as statisticians.

Important: *Course participation is limited to a maximum of 30, with participants selected on the basis of submitted CV's and time of application, so the sooner you apply the better!*

Registration fees:

For **Academic** participants (University staff or PhD students):
1000 Euros for the 2-week period (Course 1 + Course 2)
650 Euros for 1 week (either Course 1 or Course 2)

For Professionals:

1600 Euros for the 2-week period (Course 1 + Course 2)
1000 Euros for 1 week (either Course 1 or Course 2)

A 20% discount will be offered to ISBIS/y-BIS members.

The registration fees include:

- Attendance at the Workshop
- Course materials
- Coffee breaks (twice a day)
- An excursion on 2-3 July

Accommodation and Lunches:

Lunches and lodging expenses are not included in the registration fees.

Special fares (available at www2.unica.it/isola/summerisbis2011.html) have been negotiated with the Hotel Flamingo for half-board (bed, breakfast and dinner).

Discover Sardinia besides scientific sessions....

Daily excursions to experience Sardinia (boat trips, mountain trekking, tasting of typical regional products, etc.) may be organized on-site also for accompanying persons. More information will appear on the School website in due time.

Deadlines:

Submission of applications + CV (see attached form):	May 6th, 2011
Results of the selection announced by:	May 13th, 2011
Final registration and payment by participants:	May 27th, 2011

For additional information:

Prof. Francesco Mola
Telephone: +39 070 67 53 338
E-mail: mola@unica.it
Web site: www2.unica.it/isola/summerisbis2011

ISBIS Sardegna Statistics Summer School 2011 Schedule (27 June – 1 July 2011)

Week 1: Statistical Methods and Software for Large and Complex Data Sets

Time	Monday 27	Tuesday 28	Wednesday 29	Thursday 30	Friday 1	Saturday & Sunday 2 – 3
9:00 – 10:45	<i>Large and Complex Data Sets</i> William S. Cleveland	<i>Large and Complex Data Sets</i> William S. Cleveland	<i>Data Mining: Segmentation and Regression Trees</i> Roberta Siciliano	<i>Statistical Learning</i> Jerome H. Friedman	<i>Statistical Learning</i> Jerome H. Friedman	Excursion and Free time
10:45 – 11:15	<i>Coffee Break</i>					
11:15 – 13:00	<i>Large and Complex Data Sets</i> William S. Cleveland	<i>Data Mining: Segmentation and Regression Trees</i> Roberta Siciliano	<i>ROC Curves</i> Jaromir Antoch	<i>ROC Curves</i> Jaromir Antoch	<i>Statistical Learning</i> Jerome H. Friedman	
13:00 – 16:30	<i>Free Time</i>					
16:30 – 17:50	<i>Large and Complex Data Sets</i> William S. Cleveland	<i>Large and Complex Data Sets</i> William S. Cleveland	<i>Data Mining: Segmentation and Regression Trees</i> Roberta Siciliano	<i>Statistical Learning</i> Jerome H. Friedman	<i>Statistical Learning</i> Jerome H. Friedman	
17:50 – 18:10	<i>Coffee Break</i>					
18:10 – 19:30	<i>Large and Complex Data Sets</i> William S. Cleveland	<i>Data Mining: Segmentation and Regression Trees</i> Roberta Siciliano	<i>ROC Curves</i> Jaromir Antoch	<i>ROC Curves</i> Jaromir Antoch	<i>Statistical Learning</i> Jerome H. Friedman	

ISBIS Sardegna Statistics Summer School 2011 Schedule (4 – 7 July 2011)
Week 2: Business and Industrial Statistics

Time	Monday 4	Tuesday 5	Wednesday 6	Thursday 7	Friday 8
9:00 – 10:45	<i>What data do leaders need...</i> Ray Kordupleski & Nick Fisher	<i>What data do leaders need...</i> Ray Kordupleski & Nick Fisher	<i>PLS Predictive Path Models</i> Vincenzo Esposito Vinzi	<i>PLS Predictive Path Models</i> Vincenzo Esposito Vinzi	Travel home safely!
10:45 – 11:15	<i>Coffee Break</i>				
11:15 – 13:00	<i>PLS Predictive Path Models</i> Vincenzo Esposito Vinzi	<i>PLS Predictive Path Models</i> Vincenzo Esposito Vinzi	<i>What data do leaders need...</i> Ray Kordupleski & Nick Fisher	<i>What data do leaders need...</i> Ray Kordupleski & Nick Fisher	
13:00 – 16:30	<i>Free Time</i>				
16:30 – 17:50	<i>What data do leaders need...</i> Ray Kordupleski & Nick Fisher	<i>What data do leaders need...</i> Ray Kordupleski & Nick Fisher	<i>PLS Predictive Path Models</i> Vincenzo Esposito Vinzi	<i>PLS Predictive Path Models</i> Vincenzo Esposito Vinzi	
17:50 – 18:10	<i>Coffee Break</i>				
18:10 – 19:30	<i>PLS Predictive Path Models</i> Vincenzo Esposito Vinzi	<i>PLS Predictive Path Models</i> Vincenzo Esposito Vinzi	<i>What data do leaders need...</i> Ray Kordupleski & Nick Fisher	<i>What data do leaders need...</i> Ray Kordupleski & Nick Fisher	

APPLICATION FORM

ISBIS 2011 Sardegna Statistics Summer School
S. Margherita di Pula (Cagliari, Italy), 27 June – 7 July 2011

PARTICIPANT

Last name		Title	
First name(s)			
Institution/Company			
Street/PO Box			
Postal Code	City	Country	
Phone		Fax	
E-mail			

APPLICATION

(Tick one option and remember to attach your CV for the selection process)

I wish to attend only week 1 (27 June – 1 July 2011) of the ISBIS School	<input type="checkbox"/>
I wish to attend only week 2 (4 - 7 July 2011) of the ISBIS School	<input type="checkbox"/>
I wish to attend the whole 2-week period (27 June – 7 July) of the ISBIS School	<input type="checkbox"/>

Date _____

Signature _____

This form, together with your Curriculum Vitae, must reach (by e-mail or fax):

Prof. Francesco MOLA

Dipartimento di Economia

Università di Cagliari

Facoltà di Economia

Viale S. Ignazio, 17

09123 Cagliari - ITALY

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no later than MAY 6th, 2011

Results of the selection process will be announced by May 13th, 2011