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 “Federcio 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](http://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](http://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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday 27</th>
<th>Tuesday 28</th>
<th>Wednesday 29</th>
<th>Thursday 30</th>
<th>Friday 1</th>
<th>Saturday &amp; Sunday 2 – 3</th>
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</table>
| 9:00 – 10:45  | Large and Complex Data Sets
William S. Cleveland                                                                       | Large and Complex Data Sets
William S. Cleveland                                                                 | Data Mining: Segmentation and Regression Trees
Roberta Siciliano                                                                         | Statistical Learning
Jerome H. Friedman                                                                         | Statistical Learning
Jerome H. Friedman                                                                         |                                                                                   |
| 10:45 – 11:15 | Coffee Break                                                               |                                                                          |                                                                               |                                                  |                                               |                         |
| 11:15 – 13:00 | Large and Complex Data Sets
William S. Cleveland                                                                       | Data Mining: Segmentation and Regression Trees
Roberta Siciliano                                                                         | ROC Curves
Jaromir Antoch                                                                            | ROC Curves
Jaromir Antoch                                                                            | Statistical Learning
Jerome H. Friedman                                                                         |                                                   |                                                                                   |
| 13:00 – 16:30 | Free Time                                                                  |                                                                          |                                                                               |                                                  |                                               |                         |
| 16:30 – 17:50 | Large and Complex Data Sets
William S. Cleveland                                                                       | Large and Complex Data Sets
William S. Cleveland                                                                 | Data Mining: Segmentation and Regression Trees
Roberta Siciliano                                                                         | Statistical Learning
Jerome H. Friedman                                                                         | Statistical Learning
Jerome H. Friedman                                                                         |                                                                                   |
| 17:50 – 18:10 | Coffee Break                                                               |                                                                          |                                                                               |                                                  |                                               |                         |
| 18:10 – 19:30 | Large and Complex Data Sets
William S. Cleveland                                                                       | Data Mining: Segmentation and Regression Trees
Roberta Siciliano                                                                         | ROC Curves
Jaromir Antoch                                                                            | ROC Curves
Jaromir Antoch                                                                            | Statistical Learning
Jerome H. Friedman                                                                         |                                                   |                                                                                   |
## ISBIS Sardegna Statistics Summer School 2011 Schedule (4 – 7 July 2011)

### Week 2: Business and Industrial Statistics

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<tr>
<th>Time</th>
<th>Monday 4</th>
<th>Tuesday 5</th>
<th>Wednesday 6</th>
<th>Thursday 7</th>
<th>Friday 8</th>
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<tr>
<td>9:00 – 10:45</td>
<td>What data do leaders need... Ray Kordupleski &amp; Nick Fisher</td>
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<td>PLS Predictive Path Models Vincenzo Esposito Vinzi</td>
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<td>10:45 – 11:15</td>
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<td>13:00 – 16:30</td>
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<td>What data do leaders need... Ray Kordupleski &amp; Nick Fisher</td>
<td>Travel home safely!</td>
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APPLICATION FORM  
ISBIS 2011 Sardegna Statistics Summer School  
S. Margherita di Pula (Cagliari, Italy), 27 June – 7 July 2011  

PARTICIPANT  

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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
- I wish to attend only week 2 (4 - 7 July 2011) of the ISBIS School
- I wish to attend the whole 2-week period (27 June – 7 July) of the ISBIS School

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  

tel.: +39 070 67 53 338  
fax: +39 070 67 53 338  
e-mail: mola@unica.it

no later than MAY 6th, 2011

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