



# European Courses in Advanced Statistics

Brief report of ECAS activities (2017-2019)

After the election of the new executive committee of ECAS at the end of 2015 (President: Jean-Michel Poggi, Vice President: Sylvain Sardy, Secretary and Treasurer: Thomas Verdebout), a e-meeting of the Board was regularly organized every six months. In 2017, VP and P exchanged their respective roles but the executive committee is the same. The ECAS website has been built and is now hosted by FENStatS (see <http://ecas.fenstats.eu/>). It is regularly updated (Board members, contacts, news, previous and future schools).

Some new ECAS priorities and actions have been implemented. First, the ECAS schools are now divided into three categories:

- 1) Mathematical Statistics/Computational Statistics;
- 2) Official Statistics;
- 3) Industrial Statistics;

and the aim was to increase the number and the frequency of schools.

ECAS is now on a very good shape:

- 3 courses for 2017
- 3 for 2018
- 4 for 2019

with many co-organizations, thanks to the link with the National Statistical Societies (NSS) and international entities. Indeed, ECAS have signed three conventions with two NSS (SFdS, SEIO) and an international society (ENBIS). This opens the possibility to have each year a school (Mathematical/Computational Statistics) organized in France (odd years) and in Spain (even years) and every year an industrial short course appended to the ENBIS conference). For more details, see the note<sup>1</sup>.

For 2020, the joint ECAS-ENBIS course in Valencia, Spain, Sept. 2020, with topics to be defined and a possible ECAS-SEIO course on Compositional Data Analysis, in Girona, July 2020.

During this term, the Board has been regularly updated and 11 new members of ECAS have been welcomed. Then many representatives are new (more than 14) and this diversity is the value of the Board for organizing events and sharing the ECAS information through national channels providing additional audience to our scientific events.

The next election for vice president position will be organized in November 2019. A calendar and a method are already defined.

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## <sup>1</sup> 1) Mathematical Statistics/Computational Statistics

- *High Dimensional Statistics, theory and practice* (Fréjus, France, October 2017) ECAS-SFdS course
- *Clustering and Visualization of Complex Data* (Catania, Italy, May 2018) ECAS-IASC school
- *Network Analysis, Inference, and Modeling* (Fréjus, France, October 6-11, 2019) ECAS-SFdS course
- *Statistical Analysis for Space-Time Data* (Lisbon, Portugal, July 15-17 2019) SEIO-SPE-ECAS

## 2) Official Statistics

- *Statistical Disclosure Control for Official Statistics* (Rennes, France, February 2018) ECAS-EMOS course
- Two ENBES-ECAS short courses in official statistics (Bilbao, Spain, 24 September 2019)
  - a/ Statistical Data Cleaning for Business Statistics with R,
  - b/ Business data collection methodology

## 3) Industrial Statistics

- 2 half-day summer school: *New Product Growth Models / Causality* (Budapest, 1 Sept 2019) ECAS-ENBIS
- 1-day summer school *Deep Learning / Additive Modelling* (Nancy, France, Sept. 6, 2018) ECAS-ENBIS
- 1-day course *Generalized Additive Modeling* (Paris-Saclay, France, October 2017) IRSDI-ECAS
- 2-days summer school *Big Data in Business and Industry* (Procida, Italy, September 2017) ECAS-ENBIS