

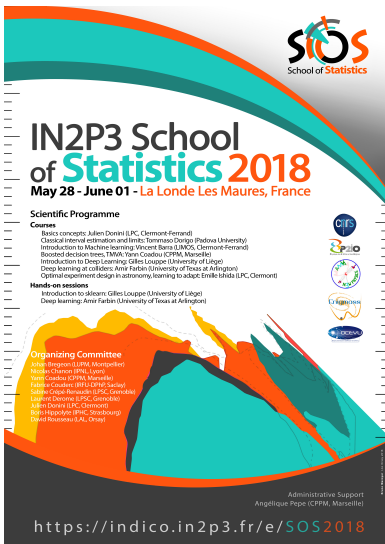
IN2P3 School of Statistics 2018

Yann Coadou

CPPM Marseille

La Londe-les-Maures, 28 May 2018





The poster features a large, colorful abstract graphic on the left side, resembling a stylized mountain or a wave with a rainbow gradient. The SOS logo is prominently displayed at the top right of the poster. The text is arranged in a clean, modern layout with various font sizes and weights.

SOS
School of Statistics

IN2P3 School of Statistics 2018

May 28 - June 01 - La Londe Les Maures, France

Scientific Programme

Courses

- Basics concepts: Julien Donini (LPC, Clermont-Ferrand)
- Classical interval estimation and limits: Tommaso Dorigo (Padova University)
- Introduction to Machine learning: Vincent Barra (LJKOS, Clermont-Ferrand)
- Boosted decision trees: TMAA Yann Coadou (CPPM, Marseille)
- Introduction to Deep Learning: Gilles Louppe (University of Liège)
- Deep learning at colliders: Amir Farbin (University of Texas at Arlington)
- Optimal experiment design in astronomy, learning to adapt: Emile Hada (LPC, Clermont)

Hands-on sessions

- Introduction to sklearn: Gilles Louppe (University of Liège)
- Deep learning: Amir Farbin (University of Texas at Arlington)

Organizing Committee

- Johan Bregeon (LUPM, Montpellier)
- Nicolas Chanon (IPNL, Lyon)
- Yann Coadou (CPPM, Marseille)
- Fabrice Couderc (IRFU-DPhP, Saclay)
- Sabine Crépé-Renaudin (LPSC, Grenoble)
- Laurent Derome (LPSC, Grenoble)
- Julien Donini (LPC, Clermont)
- Boris Hippolyte (IPHC, Strasbourg)
- David Rousseau (LAL, Orsay)

Administrative Support
Angélique Pepe (CPPM, Marseille)

<https://indico.in2p3.fr/e/SOS2018>

Logos for GIPSI, CPPM, IPHC, LPSC, and LAL are also present on the right side of the poster.

- 6th edition of successful biennial series
 - ▶ <http://sos.in2p3.fr>
- Strasbourg (2008), Autrans (2010–2016), La Londe-les-Maures
- Organising committee:
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- “Give an overview of the concepts and tools used in particle physics, astro-particle physics and cosmology when probabilities and statistics come to play”
- Machine learning part increasing with years
- Financial support:



IN2P3
Les deux infinis



- Technical and administrative support from CPPM

Allows to welcome 59 participants and 7 lecturers

This school is for you!

- Do not hesitate to ask questions, during and in-between lectures
- Nice and relaxing place
⇒ encourage interactions



- Three main components
 - Fundamental concepts
 - Multivariate analysis (machine learning)
 - Hands-on sessions

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	Arrival	Basic concepts	Hands-on scikit-learn	DL	Hands-on DL
		Intervals & limits	DL	DL at colliders	Exp. Design
Afternoon	Basic concepts	MVA	Free	Hands-on DL	Departure
	Intervals & limits	BDT		Hands-on DL	

- **Food (Odalys times)**
 - breakfast: 7:30–9:30
 - lunch: 12:15–13h30
 - dinner:
19h15–20h30
- **Wifi**
 - **use the Odalys network** (login/password: **seminaire/seminaire8325**)
 - use your own 4G if possible
 - use the SOSx SSID ($x=1..5$) and password at the back of your badge
- **Wednesday afternoon**
 - Enjoy the resort's facilities: outdoor swimming pools (got your swimsuit, right?), sauna/hammam, fitness room, tennis court, multisport field
 - Go for a hike/run along the coast (East towards Fort de Bregançon, West to Hyeres salt marshes)
 - Go to the beach(es), explore underwater trail "Le Jardin des Mattes"
 - Visit wineries
 - Take a boat to the islands of Porquerolles, Port Cros or île du Levant (with Europe's first village dedicated to naturism...)
- **Miscellaneous**
 - Certificate of attendance
 - Evaluation form for feedback

BIENVENUE

La salle ARGENTIERE
Code d'entrée :0602A
+ PAUSES + REMISE DES CLEFS

Vos Appartements

LES OCÉANIDES
 ★★★
RESTAURANT.

L'ILE D'OR
 ★★

CODE PARKING: ILE D'OR
PORTAIL GAUCHE 3412A
CODE PARKING: OCEANIDES
PORTAIL CENTRAL 1234+E
PORTAIL DROIT 1234+A

RECEPTION ILE D'OR



