

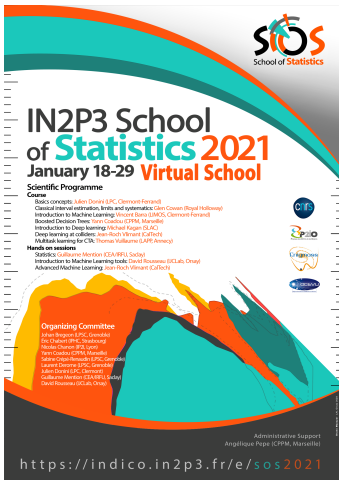
IN2P3 School of Statistics 2021

Yann Coadou
for the SOS organising committee

CPPM Marseille

Online edition
29 January 2021





SOS
School of Statistics

IN2P3 School of Statistics 2021
January 18-29 Virtual School

Scientific Programme

Courses
 Basics concepts: Julien Dorain (LPC, Clermont-Ferrand)
 Classical interval estimation, limits and systematic: Glen Cowan (Royal Holloway)
 Introduction to Machine Learning: Vincent Bana (UMRS, Clermont-Ferrand)
 Boosted Decision Trees: Jean Guichard (CPM, Marseille)
 Introduction to Deep Learning: Michael Kuger (LJL)
 Deep learning at colliders: Jean-Roch Vignani (KIT, Karlsruhe)
 Multitask learning for CERN: Thomas Vahne (LJL, Clermont-Ferrand)

Hands on sessions
 Statistics: Catherine Morillon (CEA, Saclay)
 Introduction to Machine Learning tools: David Rousseau (CCLab, Orsay)
 Advanced Machine Learning: Jean-Roch Vignani (KIT, Karlsruhe)

Organizing Committee
 Julien Baglin (LPC, Clermont-Ferrand)
 Ben Clavier (LPC, Clermont-Ferrand)
 Nicolas Chouin (IPN, Lyon)
 Jean Guichard (CPM, Marseille)
 Sabine Gopal-Monod (LPC, Clermont-Ferrand)
 Laurent Doreau (LPC, Clermont-Ferrand)
 Julien Dorain (LPC, Clermont-Ferrand)
 Guillaume Morillon (CEA, Saclay)
 David Rousseau (CCLab, Orsay)

Administrative Support
 Angélique Papis (CPPM, Marseille)

<https://indico.in2p3.fr/e/sos2021>

- This school receives financial support from

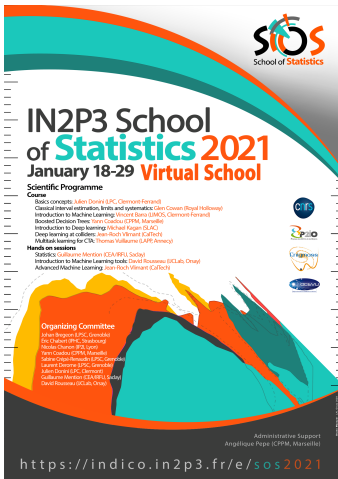


- Past years: about 60 participants, in person
- 2021 online edition: 446 registered participants
⇒ thank you all for joining!
- Hopefully still interesting even outside of high energy physics

▶ <https://indico.in2p3.fr/e/SOS2021>

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Organising committee



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Organizing Committee
 Julien Bregeon (LPSC, Grenoble)
 Eric Chabert (IPHC, Strasbourg)
 Nicolas Chanon (IP2I, Lyon)
 Yann Coadou (CPPM, Marseille)
 Sabine Crépé-Renaudin (LPSC, Grenoble)
 Laurent Derome (LPSC, Grenoble)
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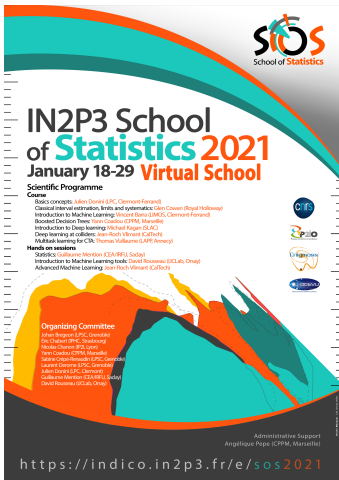
Administrative Support
 Angelique Pape (CPPM, Marseille)

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- **Johan Bregeon** (LPSC, Grenoble)
- **Éric Chabert** (IPHC, Strasbourg)
- **Nicolas Chanon** (IP2I, Lyon)
- **Yann Coadou** (CPPM, Marseille) –chair–
- **Sabine Crépé-Renaudin** (LPSC, Grenoble)
- **Laurent Derome** (LPSC, Grenoble)
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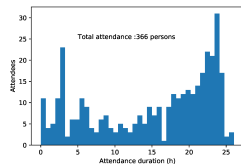
▶ <http://sos.in2p3.fr>

Lecturers

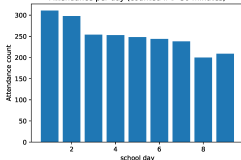
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- No group picture but we have (not that big) data about you!
- 366 people connected among registered participants
- Most people connected for the whole school
- Slow decrease of attendance with time: we sympathise!

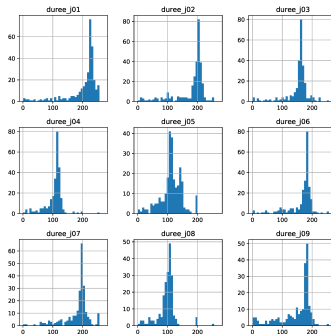
Distribution of connection duration (limited to 3h per day)



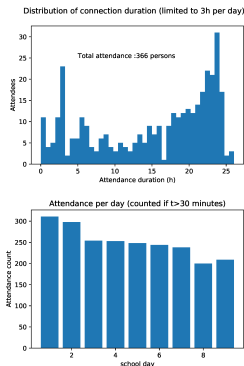
Attendance per day (counted if $t > 30$ minutes)



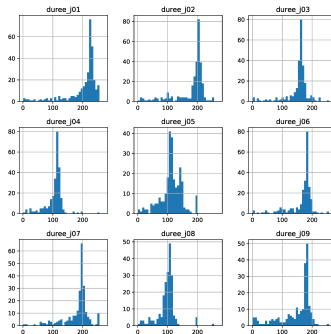
attendance (minutes) per day



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attendance (minutes) per day

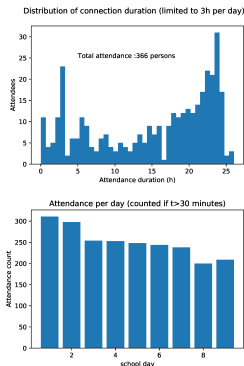


Upcoming reference book (in about six months)

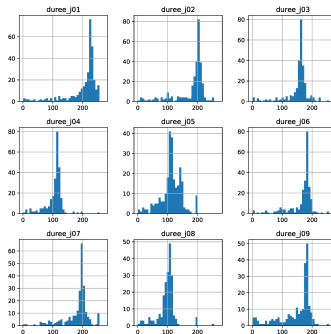
Artificial Intelligence for High Energy Physics

► <https://doi.org/10.1142/12200>

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attendance (minutes) per day



Survey from indico

Please fill in upcoming survey about the school in the coming days



School of **Statistics**