

IML meeting – NEWS

Lorenzo Moneta (CERN)

Michele Floris (University of Derby and CERN)

Paul Seyfert (CERN) Sergei Gleyzer (University of Florida)

Steven Schramm (Université de Genève)

- Hadoop User forum
“HEP Data Processing with Apache Spark”
Wednesday 6th Dec 2017, 14:00, at CERN
<https://indico.cern.ch/event/678628/>
- Deep Learning for Physical Sciences workshop at NIPS
December 8, 2017, Long Beach (USA)
<https://dl4physicsscience.github.io/>
- next EP-IT data science seminar by Conor Fitzpatrick (EPFL)
“Too much of a good thing:
How to trigger in a signal-rich environment”
Wednesday 13 Dec 2017, 11:00, at CERN
<https://indico.cern.ch/event/675056/>



Announcements 2/2

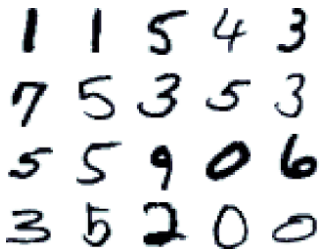
- next IML meeting
Friday 26 Jan 2018, 222-R-001 (Filtration plant)
open topic, aiming for:
 - followup on today's meeting
 - news/summary from NIPS
 - tools and software updates
 - <your project here>

<https://indico.cern.ch/event/679765/>

- plans getting more and more concrete
“core workshop” 9th April – 11th April
✓ rooms booked
- similar to last time: physics sessions
topics: deep learning, tagging, regression, generative models
- new: hackathon 12th April (one day)
bring on your project (e.g. new feature for your favourite ML tool)
profit from expertise of the other participants around you
join and help others on their project
→ suggest problems to attack at the hackathon
- different than last time: challenge
will start before the workshop (to run \sim one month)
more details in 2018

<https://indico.cern.ch/event/668017/>

today's topic: common benchmark dataset



what we want:

- ML benchmark(s)
- HEP specific
- common among experiments
- → able to compare two methods by looking up their benchmark

today's focus: technical challenges

- make data accessible
- size, formats, ...
- citing data

IML Machine Learning Working Group: common benchmark datasets

Friday 1 Dec 2017, 15:00 → 18:00 Europe/Zurich

222-R-001 (CERN)

Description Agenda under development. If you like to present, please contact iml.coordinators@cern.ch

Videoconference
Rooms

IML-MachineLearning-WG

Join

222-R-001

15:00 → 15:10 News and group updates

10m

Speakers: Lorenzo Moneta (CERN), Markus Stoye (CERN), Michele Floris (CERN), Paul Seyfert (CERN), Dr. Sergei Gleyzer (University of Florida (US)), Steven Randolph Schramm (Universite de Geneve (CH))

15:10 → 15:30 Benchmark creation experiences: HiggsML

20m

Speaker: David Rousseau (LAL-Orsay, FR)

15:35 → 15:55 Hosting services: Zenodo

20m

Speaker: Lars Holm Nielsen (CERN)

16:00 → 16:20 Hosting services: CERN Open Data

20m

Speaker: Sunje Dallmeier-Tiessen (Humboldt-Universitaet zu Berlin (DE))

16:25 → 16:45 Hosting services: OpenML

20m

Speaker: Joaquin Vanschoren

16:50 → 17:20 Open discussion and community feedback

30m

Run 344910
Timestamp: 2015-11-25 11:23:36(UTC)
System: P409
Energy: 0.00 TeV



CMS Experiment at LHC, CERN
Data recorded: Wed Nov 25 12:21:51 2015 CET
Run/Event: 262548 / 14592169
Lumi section: 309

SQFT

Event 2598326
Run 168486
Wed, 25 Nov 2015 12:51:53

CEST

first, stable beams heavy-ion collisions

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sources for the
slides

