Welcome and some logistics

Tommaso Boccali - INFN Pisa
For the ML_INFN participants

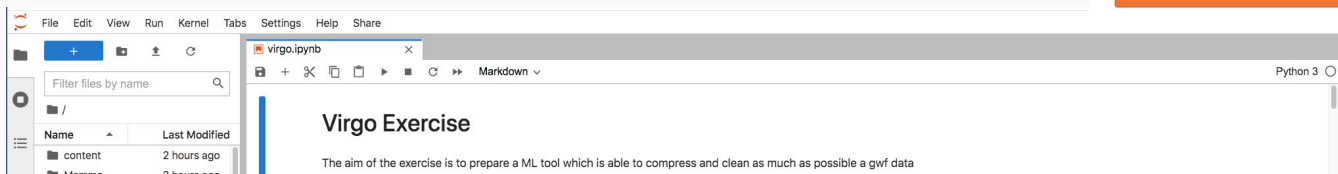# How we will work in these 3 days

- **Standard presentations on ML related topics and on their use @ INFN**
  - This morning, Tue morning
  - Just listen to them and ask questions
- **Hands-on, in which one tutor solves online an exercise**
  - This afternoon, tomorrow morning
  - You can either do the same with a single user JupyterNotebook, or simply follow the teachers
    - Full solutions will be anyhow distributed
  - Tomorrow afternoon you will be given 2 h to continue experimenting on these
- **Hackathon, a.k.a tutored work group (6 students + 1 tutor)**
  - Wed morning
  - This would ideally be a "work group around a screen and a keyboard" -- difficult to emulate in these days …

Tools and technologies

- ML_INFN is trying to prototype **technologies _AND_ training events**, so the technology used is important
- We are trying for the first time to allow access to students via the **INFNCloud** platform to specifically tuned **ML hardware**
  - It should work, but as you know Murphy is always around
  - If it fails, we can use Google Colab as a backup ("Google never fails")
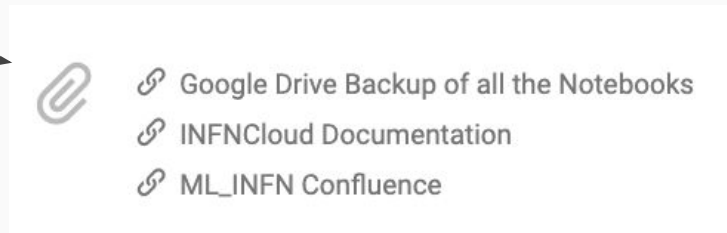
Access to hardware

- You will have received by now a URL where to connect to access the resources
- → **Daniele Spiga will show you how this morning**

PlanA/B

- Since we depend on external infrastructures (INFNCloud) and on a series of tools (authentication, shared areas, ...), things can break. We tried to be proactive:
  - **PlanA**: we will use Jupyter for the hands-on (no group work) and the hackathon (group work)
    - In the latter case, powered by Zoom breakout rooms
  - **PlanB**: we have a <u>full copy of everything</u> to be used in Google's Colab: just open the notebook, do a

Save a copy in Drive   and all should work

  - We have also put a direct link at the start of most Notebooks. **Please use it ONLY if you cannot work with PlanA**
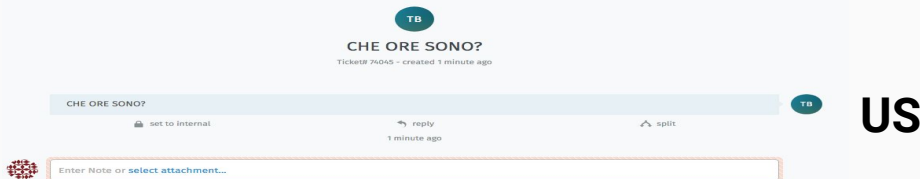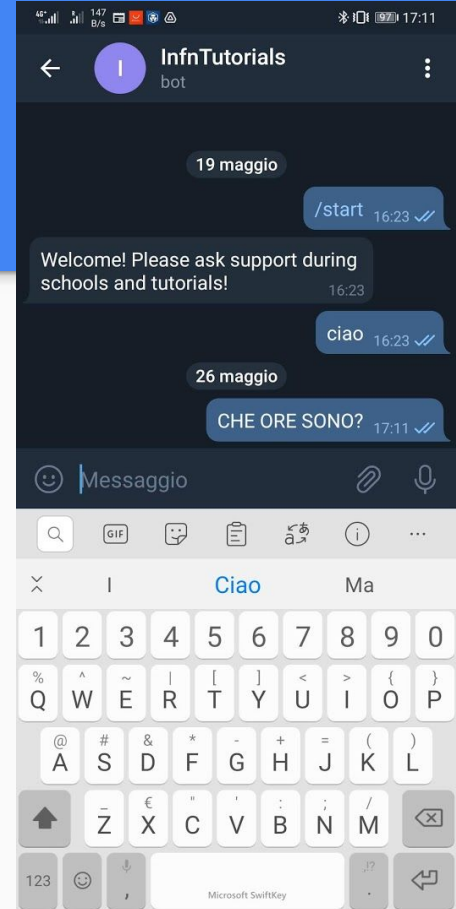
🔗 Google Drive Backup of all the Notebooks
🔗 INFNCloud Documentation
🔗 ML_INFN Confluence

CO Open in Colab

From the Agenda page, at the bottom

Communications

YOU

- We are trying to use Zammad as a mean to help about
  - Generic problems (*"I cannot login"*)
  - Tue afternoon *"helpdesk like"* support from tutor (*"I did not understand what this line does"*)
- As communicated, use Telegram from your phone / browser
  - @InfnTutorials, type "/start"
- **PlanB**: use the mailing list ml-infn-hackathons@lists.infn.it

US

The "last day report"

- On Wed afternoon we will have a session in which the 9 groups will report briefly (10 min / group)
- In the same morning, the 3 use cases (VIRGO, CMS and MedPhys) will be shortly presented, and a "template" for the report will be provided
  - Just fill it, you do not need (and would not have time for) a real presentation

Material etc

- All the standard sessions (not the hackathon) will be recorded and made available
- All the material (notebooks, input data) will be made available for running / testing after June 9th
  - Well, most is already there actually ….

[Groups](#) for the hackathon

On wed, you will be moved to Zoom breakout rooms at 9:30. If your connection / computer stops and you have to reenter, please connect back to the main Zoom and ask in the chat or Telegram to be reconnected

Please make sure **the name Zoom shows for you is clear**, it is difficult for us to move in the proper room a *"pippo999"*

Gruppo 1 - 6 partecipanti
VIRGO
TUTOR: Luca Rei
https://mlinfn1.cloud.cnaf.infn.it:8888
Marco Dall'Amico
Giorgio Del Castello
Stefano Gariazzo
Giuliano Iorio
Jacopo Soldateschi
Stefano Torniamenti

Gruppo 2 - 6 partecipanti
VIRGO
TUTOR: Francesco Di Renzo
https://mlinfn2.cloud.cnaf.infn.it:8888
Guglielmo Costa
Marco Di Luzio
Anushree Ghosh
Isabella Oceano
Ornella Juliana Piccinni
Filippo Santoliquido

Gruppo 3 - 6 partecipanti
VIRGO
TUTOR: Nunziato Sorrentino
https://mlinfn3.cloud.cnaf.infn.it:8888
Giovanni Costantini
Federica Giacchino
Odysse Halim
Davide Marcato
Massimo Nocente
Andrea Virtuoso

Gruppo 4 - 6 partecipanti
CMS
TUTOR: Silvio Donato
https://mlinfn4.cloud.cnaf.infn.it:8888
Simone Capelli
Leandro Javier Cieri
Valentina Diolaiti
Calum Milloy
Jacopo Pinzino
Leonardo Vannoli

Gruppo 5 - 6 partecipanti
CMS
TUTOR: Leonardo Giannini
https://mlinfn5.cloud.cnaf.infn.it:8888
Marco Fazzi
Oleh Fedkevych
Luca Giommi
Bianca Sofia Pinolini
Valentina Sola
Alexei Sytov

Gruppo 6 - 6 partecipanti
CMS
TUTOR: Valerio Bertacchi
https://mlinfn6.cloud.cnaf.infn.it:8888
Giovanni Arena
Alessandro Bertolin
Flavia Cetorelli
Mauro Emanuele Dinardo
Giovanni Guerrieri
Antonio Iuliano

Gruppo 7 - 6 partecipanti
MED
TUTOR: Francesca Lizzi
https://mlinfn7.cloud.cnaf.infn.it:8888
Piergiorgio Antonini
Francesca Brero
Fabio Luccioletti
Andrea Giachero
Lorenzo Neri
Simone Stracka

Gruppo 8 - 6 partecipanti
MED
TUTOR: Damiano Del Sarto
https://mlinfn8.cloud.cnaf.infn.it:8888
Michele Barsanti
Giulia Colelli
Luca Morselli
Costantino Pacilio
Francesco Puosi
Gianfranco Vecchio

Gruppo 9 - 6 partecipanti
MED
TUTOR: Sara Saponaro
https://mlinfn9.cloud.cnaf.infn.it:8888
Leonardo Barzaghi
Davide Cicolari
Matteo Barbetti
Antonio Gilardi
Michela Lai
Alessio Scagliola

Netiquette

- **Zoom room: http://cern.ch/go/pk7C**

- In order to avoid Zoom bombing, all the users will be unable to open the mic / share the video →

- **Please use the chat to ask for permission to ask questions / etc**