



LYDIA ROOS ON BEHALF OF THE EASY-ML
ORGANISING COMMITTEE

CLOSING REMARKS

TWO INTENSE WEEKS

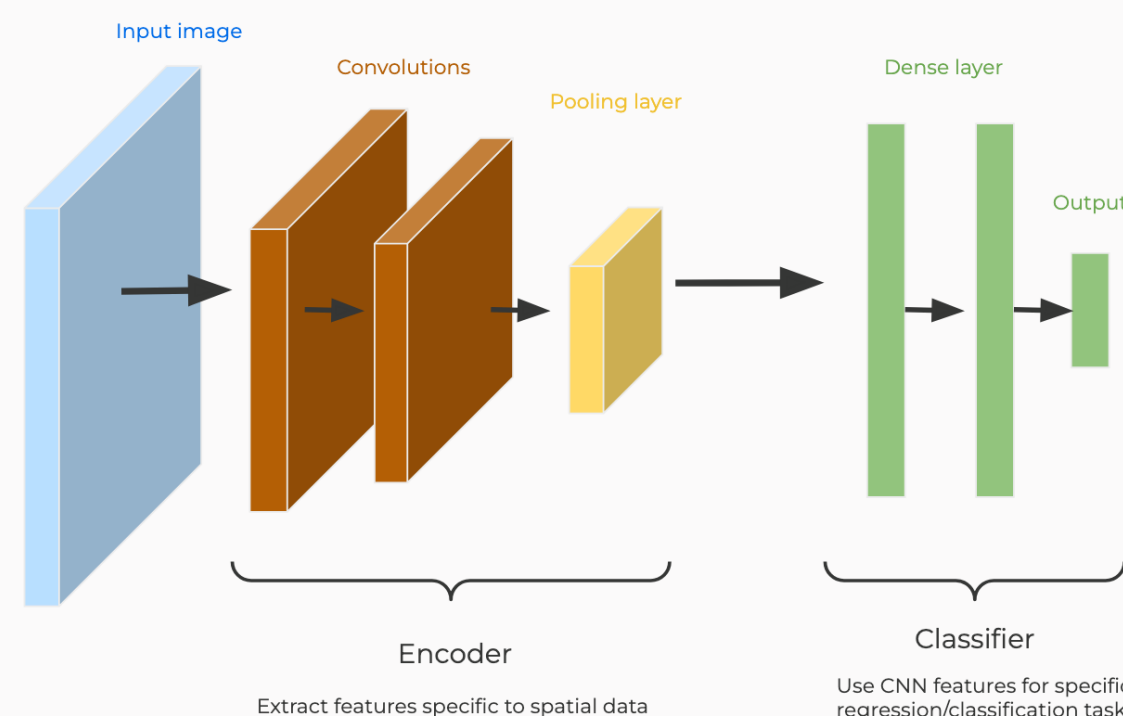
What is PyTorch?



- PyTorch is an open-source python library for building models
- Developed by Meta AI (Facebook) and release in 2016

EASY ML- Python Quiz

CNN structure

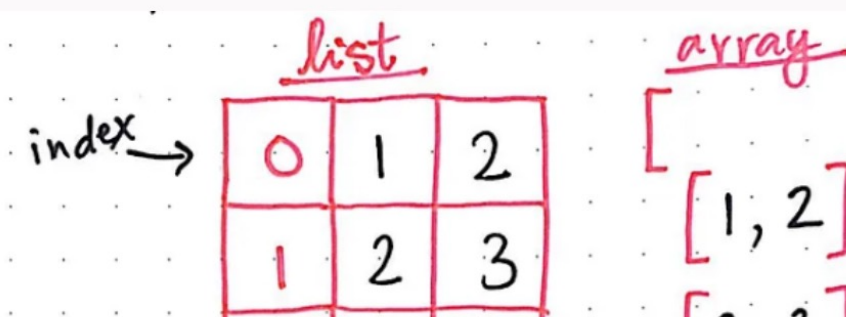
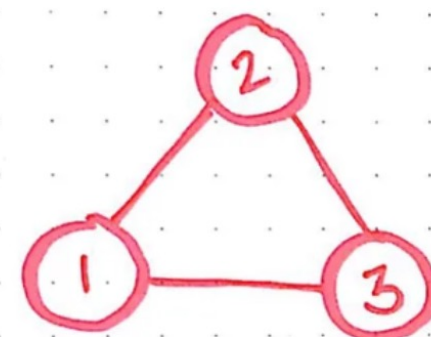


Graph Representations

Using a list

- Edge list are one of the simplest representation of a graph
- An edge list is a list (or an array) of all the $|E|$ edges in a graph.

a graph.



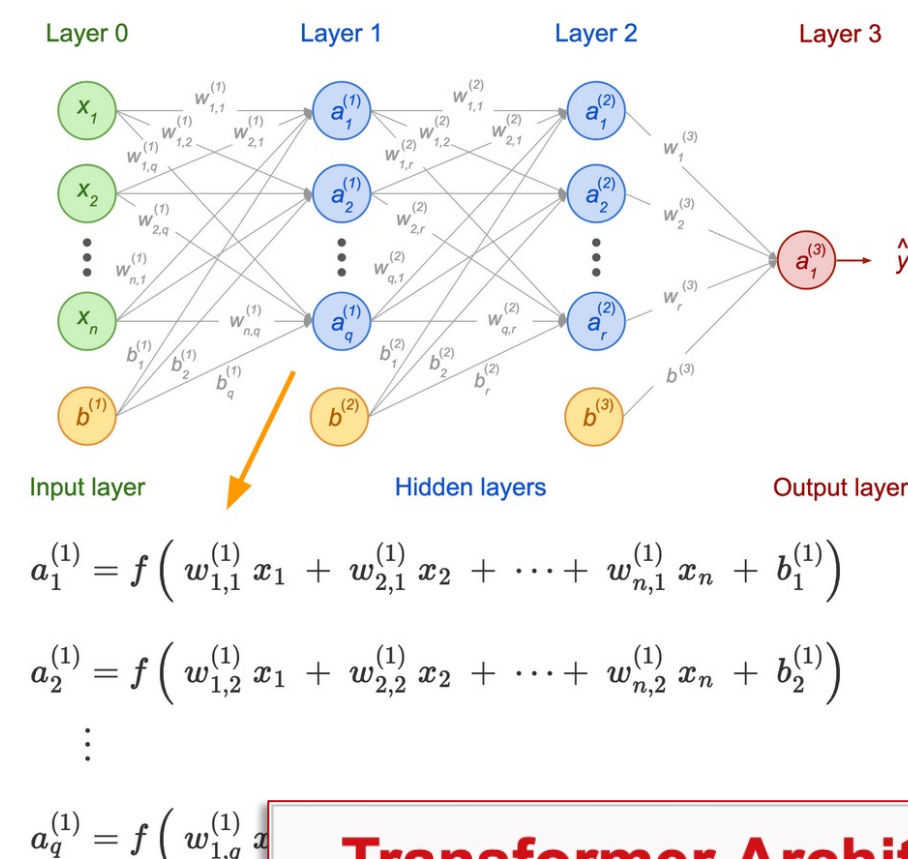
Notations

Inputs:

$$\begin{pmatrix} x_1^{(i)} \\ \vdots \end{pmatrix}$$

Activation units:

$$\begin{pmatrix} a_1^{(i, \ell)} \\ \vdots \end{pmatrix}$$



What is unsupervised learning?

se where we fit the model
und truth.

Three types of unsupervised
learning techniques:

- Clustering** where data is grouped in a meaningful way
- Dimensionality Reduction** where high-dimensional data is represented with low-dimensional data
- Association** where the relationships between variables in a big dataset is discovered

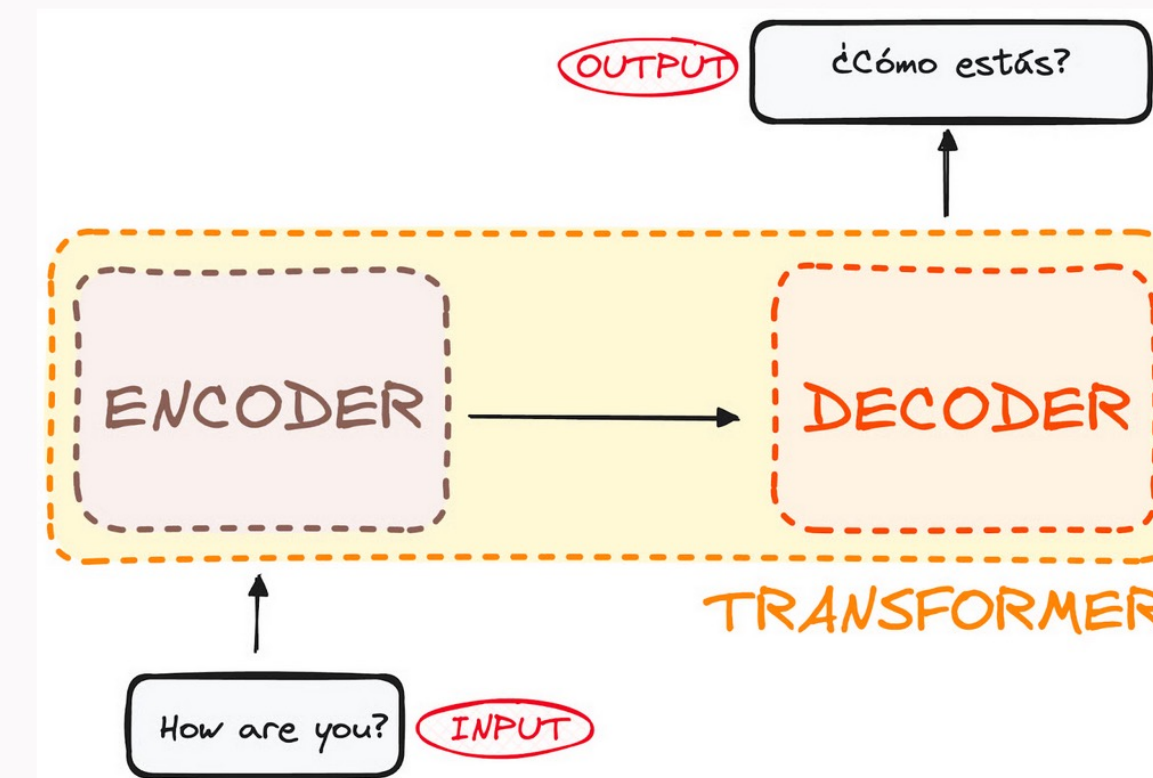
Results



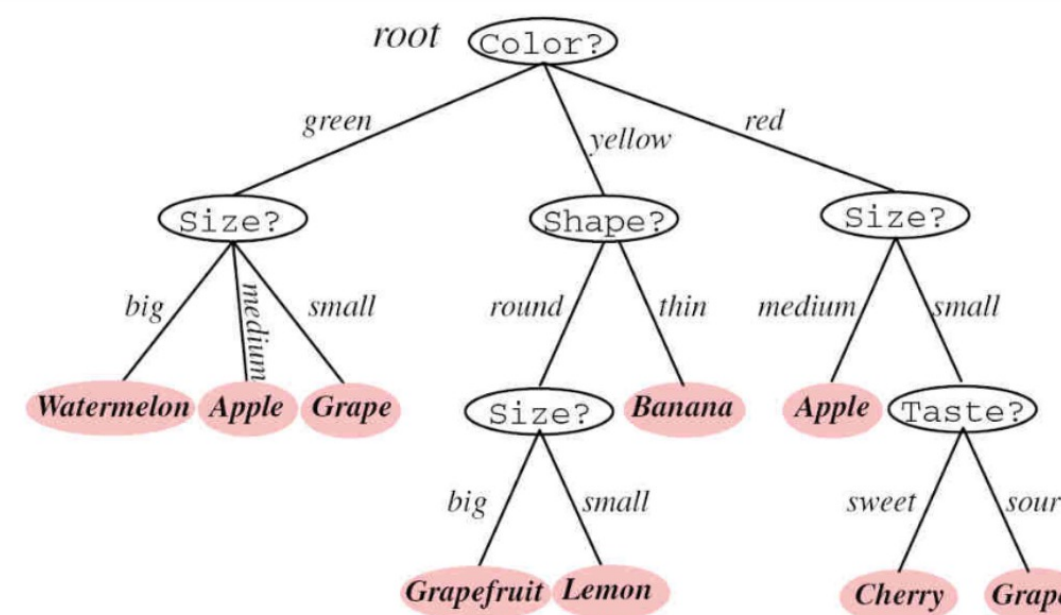
o labels y .

erns/properties of the

Transformer Architecture



What is a Decision Tree?



Classification by a tree of tests

Source: Lucas Masuch & Vincent Lepetit



SPEED LIMIT
40 KPH
DUSTY ROAD

HIGHLIGHTS

A VERY OFFICIAL OPENING



Dr Ian Kaniu (organiser)



Dr Dimitris Varouchas (organiser) &
Dr Benoît Hazard (CNRS)



Prof Sheila Okoth (Faculty of
Science & Technology)



Dr Lauric Cécillon
(French Embassy)



Prof Andrew Kahonge (Dpt Compter of Science)

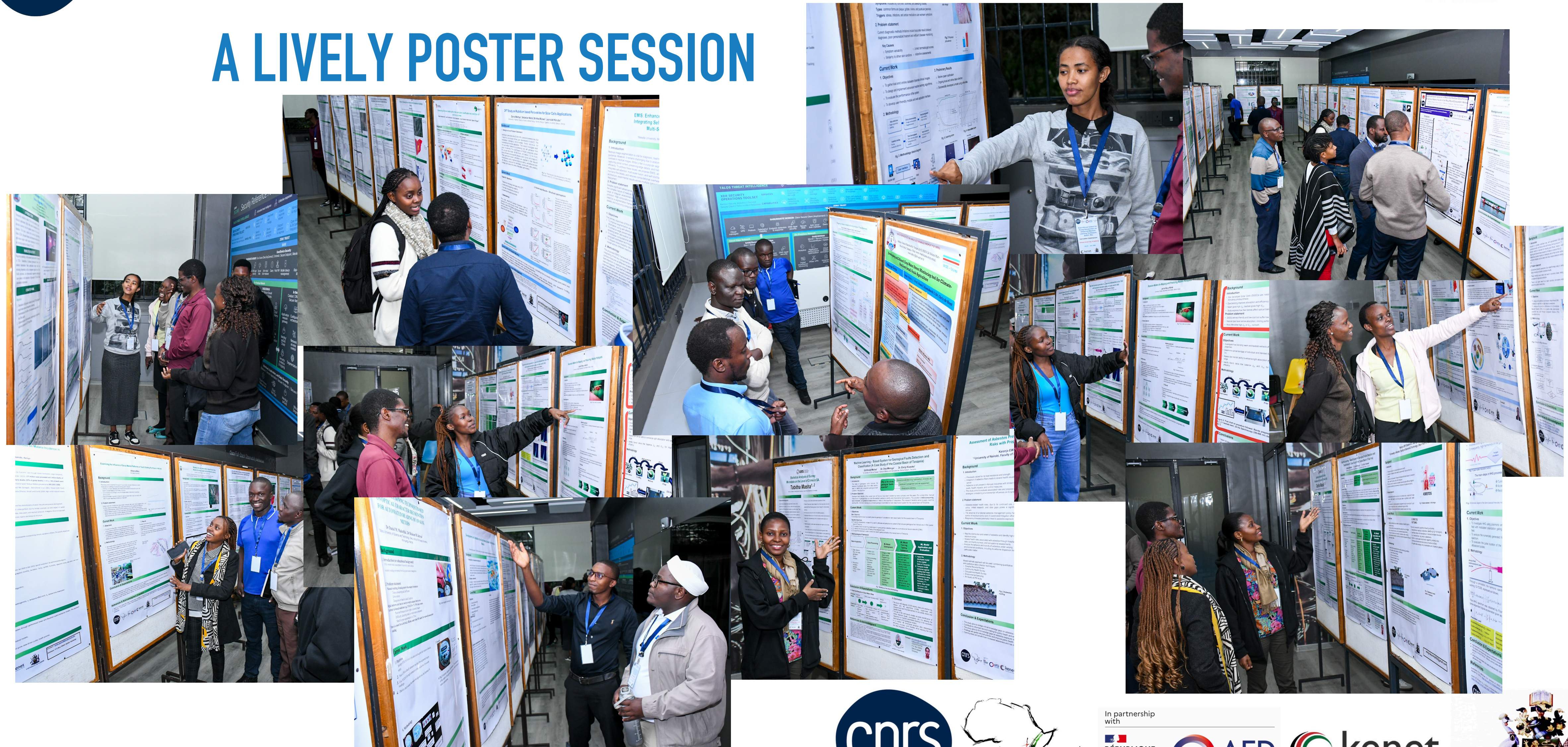


Prof George Amolo (KENET)

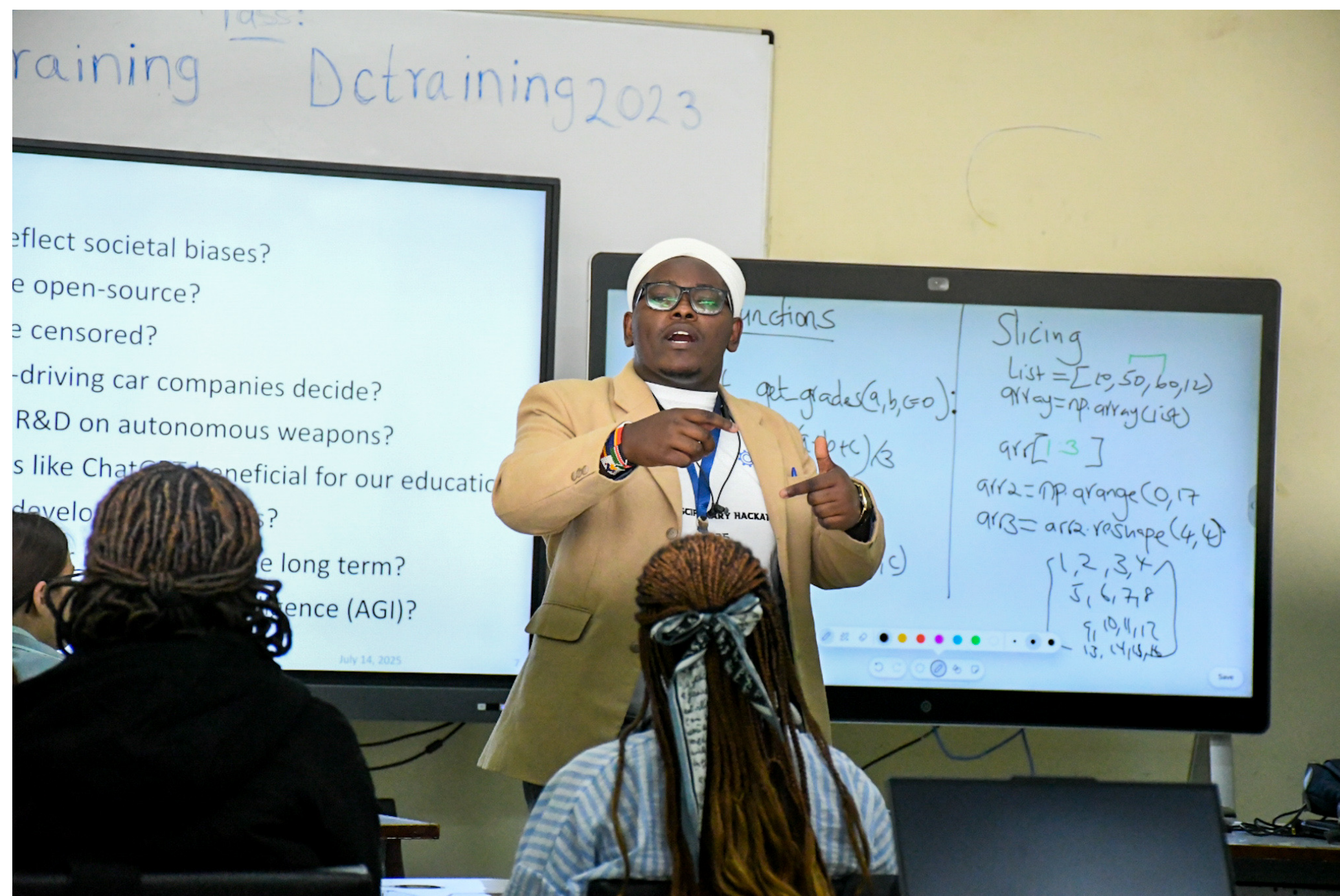


Prof Andrew Kahonge (Dpt of Physics)

A LIVELY POSTER SESSION



ETHICS IN AI



Passionate debates about ethics during a dedicated session and when discussing the posters

... as AI- developers

what about your own data?

EXCURSION DAY!

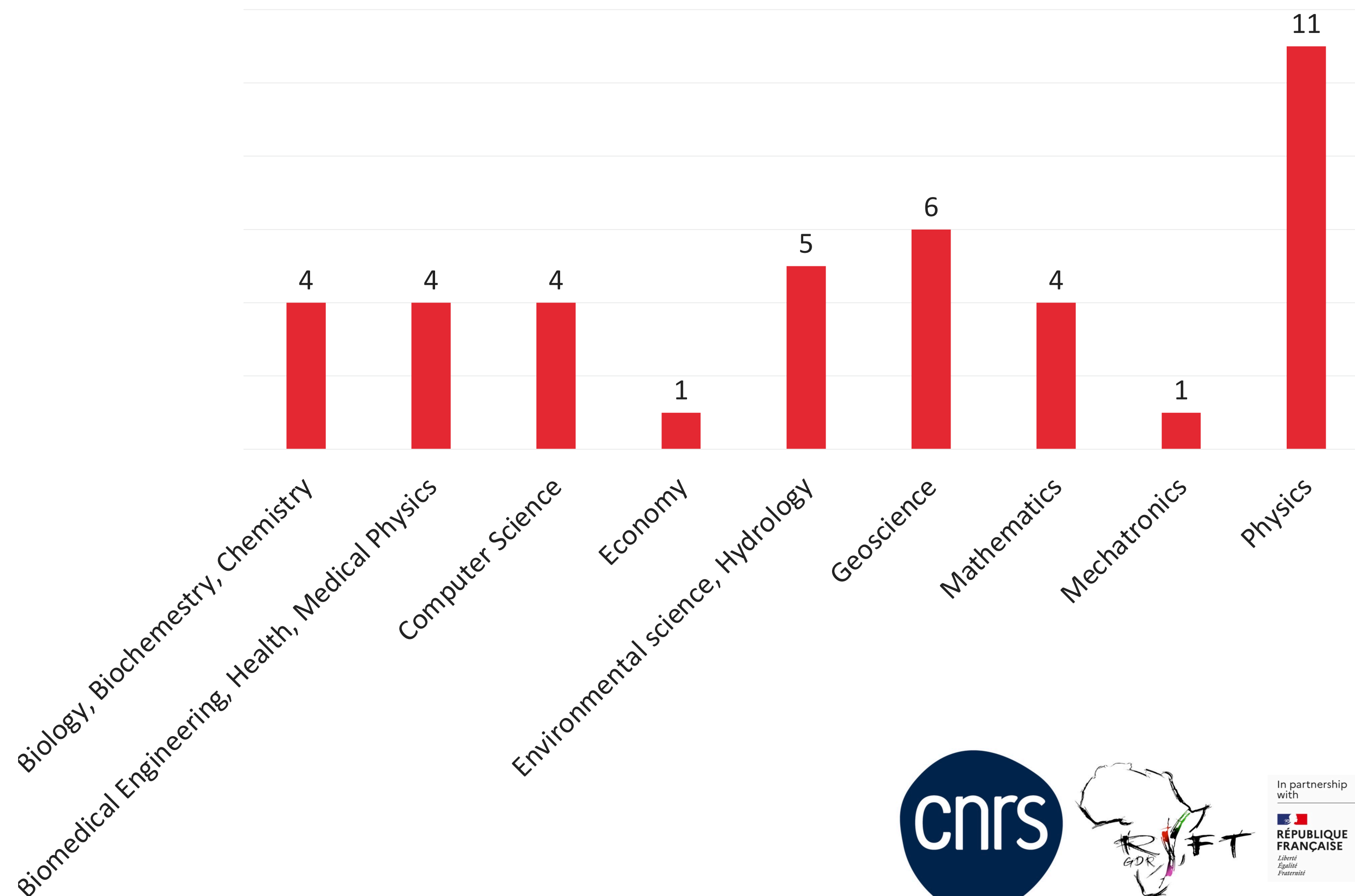




DATA ANALYSIS

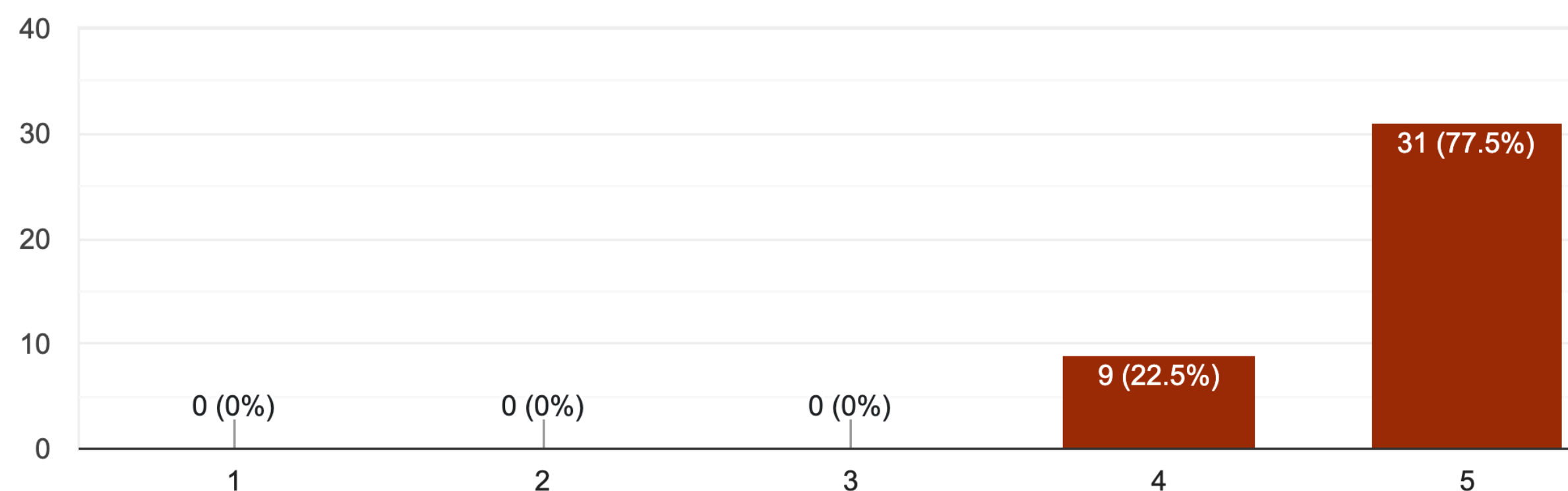
WHO ARE YOU?

Scientific fields

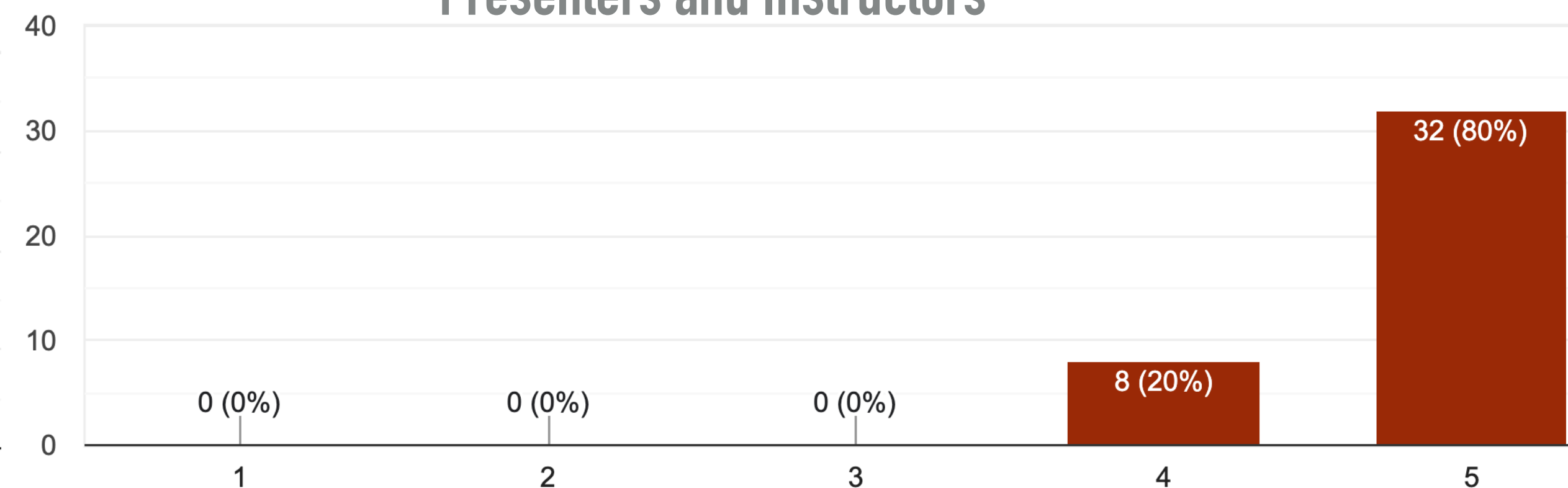


FEEDBACK

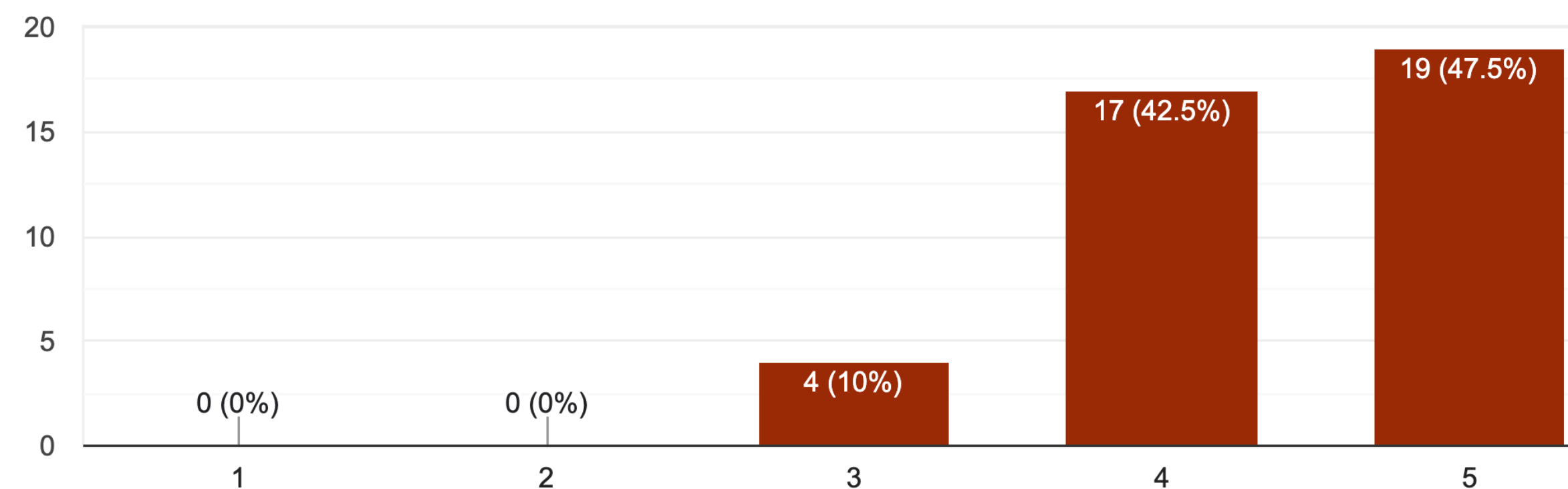
Overall satisfaction



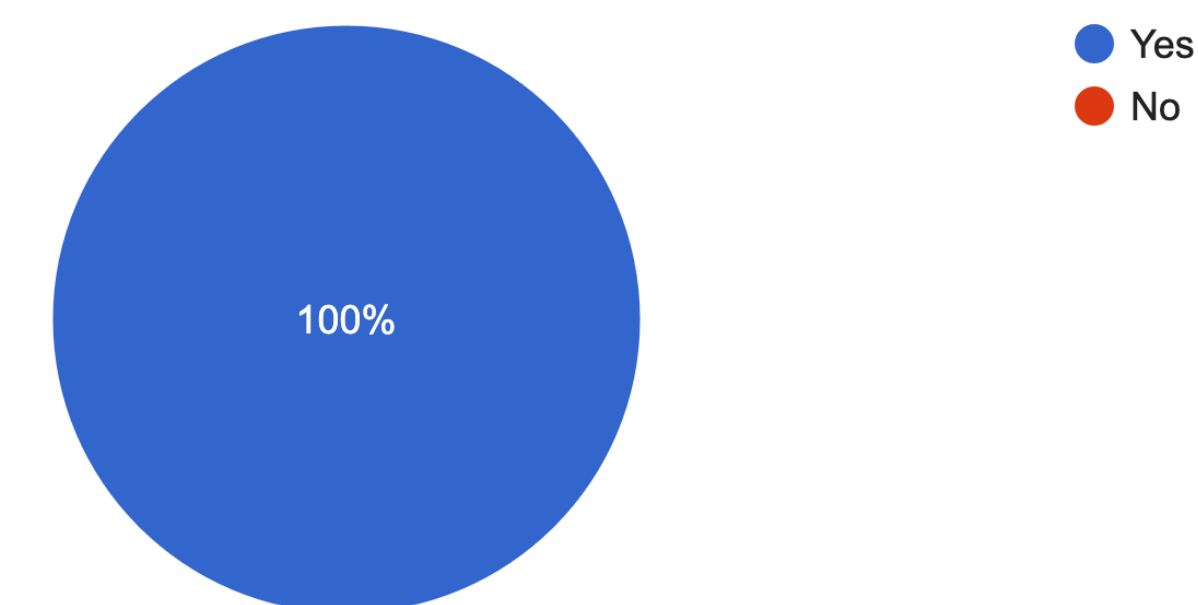
Presenters and Instructors



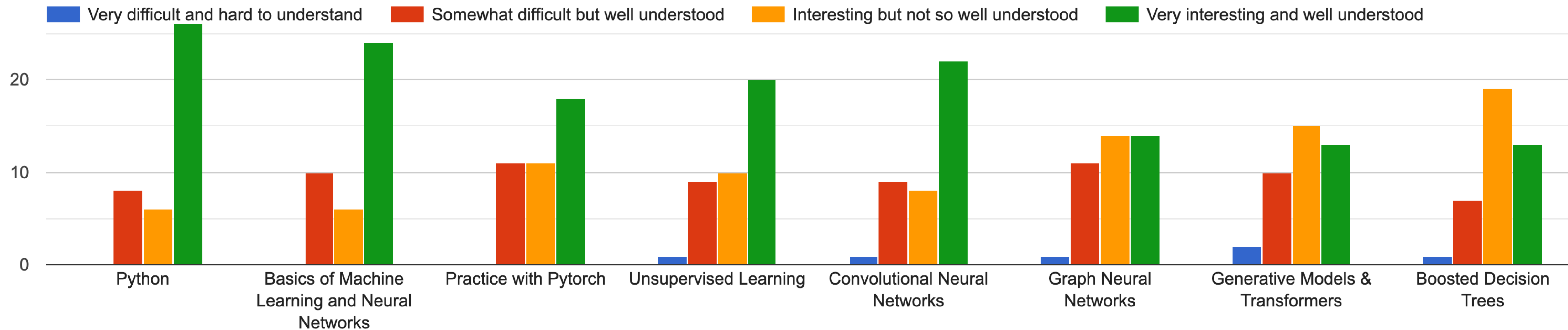
Balance of learning activities



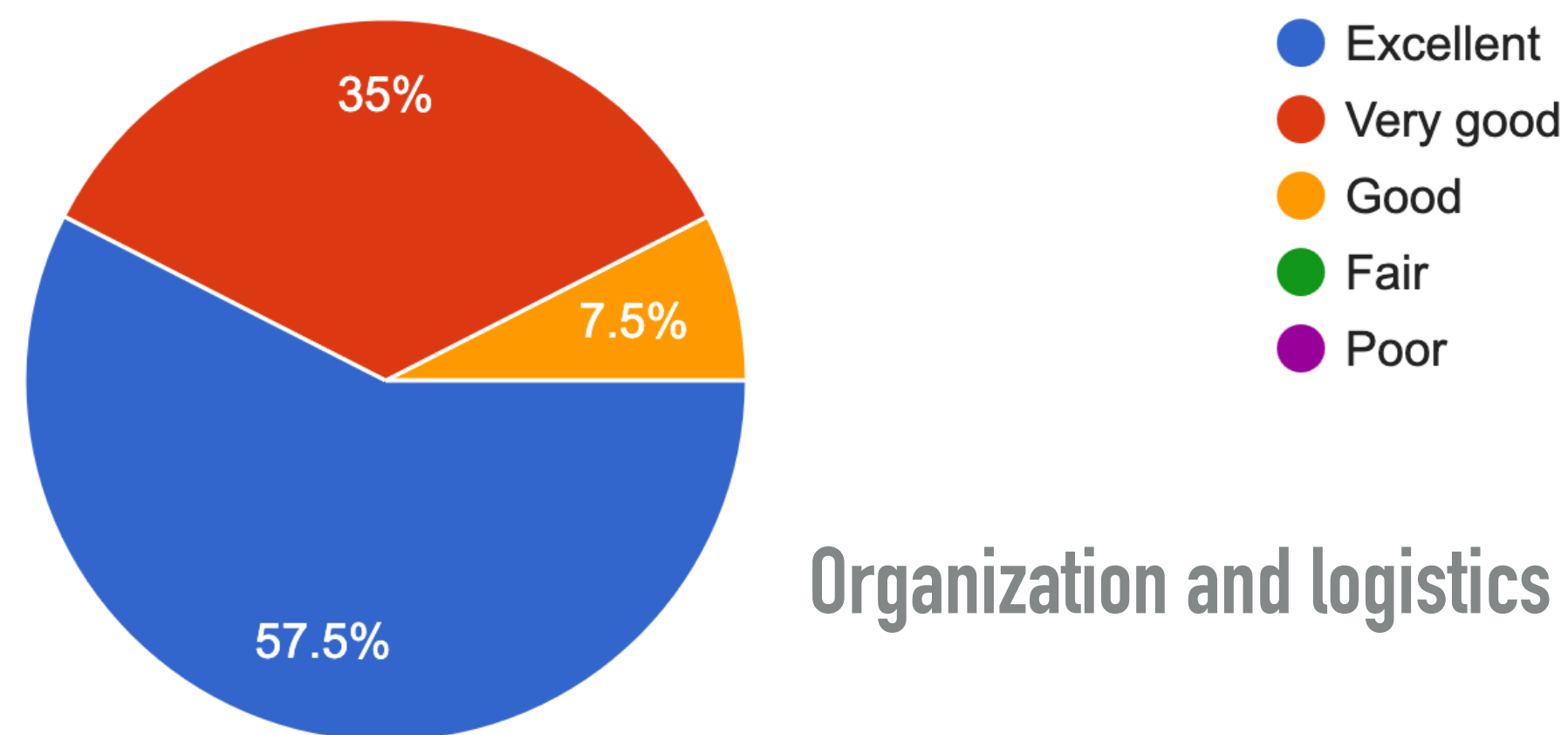
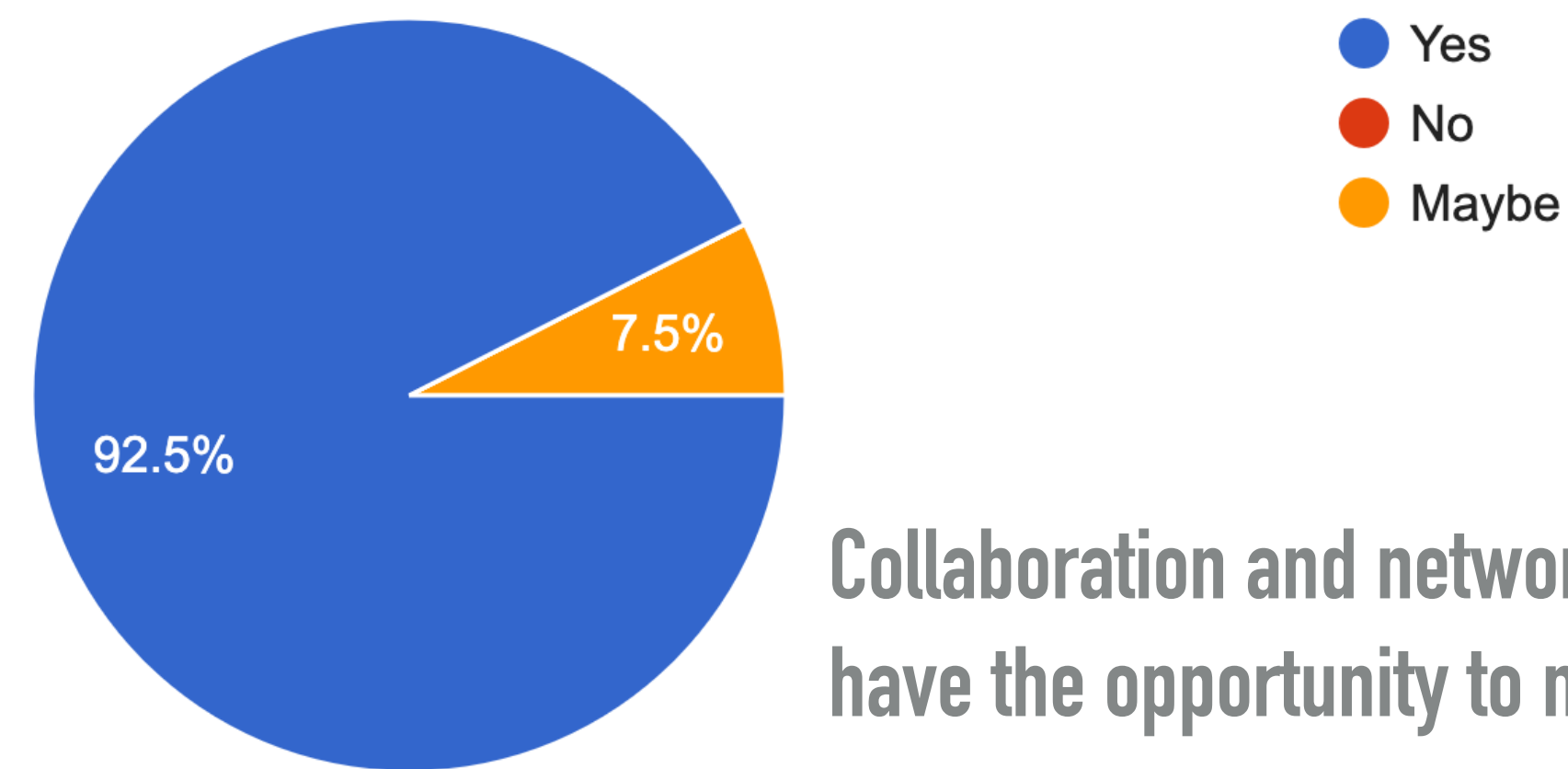
Learning experience: did the workshop meet your expectations



FEEDBACK (2)



FEEDBACK (3)



Top-2 suggestions for Improvement:

- extend the school to 3 weeks, 4 weeks, 2 months
- more time for hands-on, tutorials, personal work

Future Learning Needs:

- TensorFlow, Keras, recurrent neural networks and Long-Short-Term Memory Networks, automatic speech recognition, Claude code, Reinforcement learning, Natural Language Processing, Large Language Models, block chain technology,...

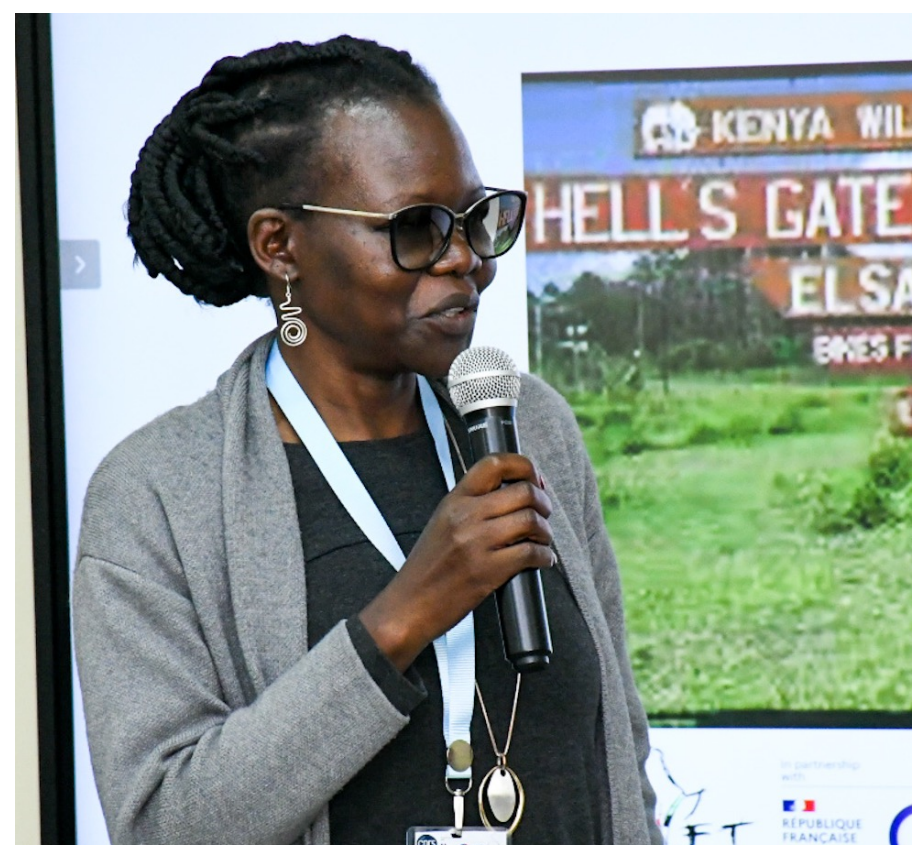


THANKS

MY FELLOW ORGANISERS



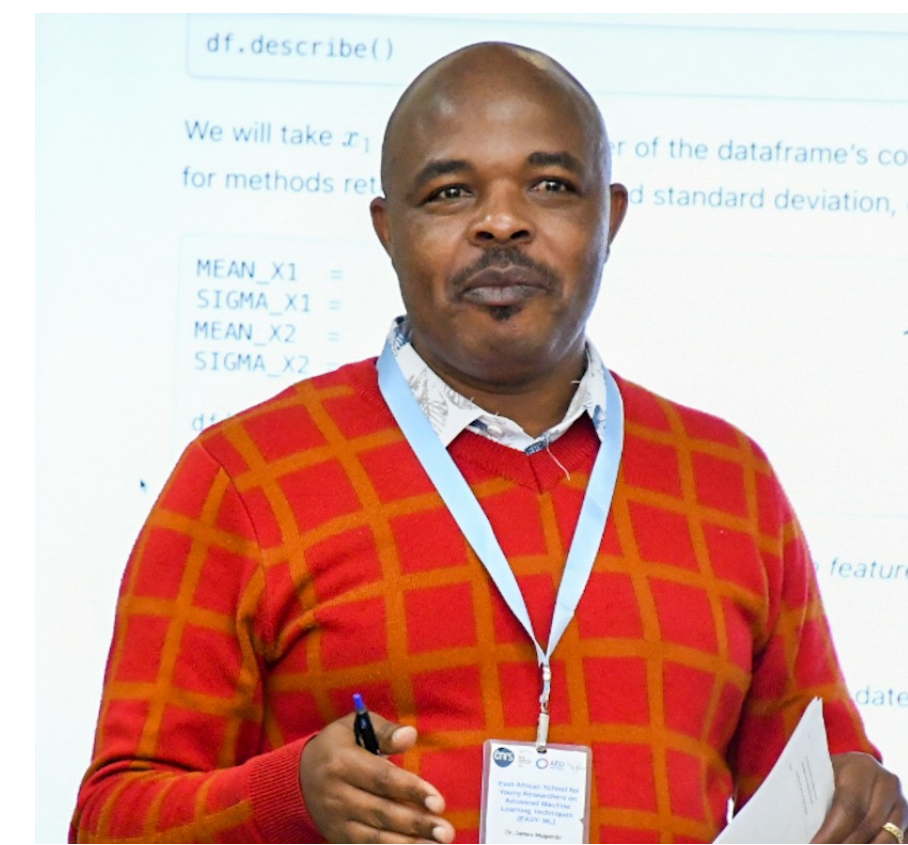
Livingstone Ochilo



Lydia Olaka



Ian Kaniu



James Mugambi



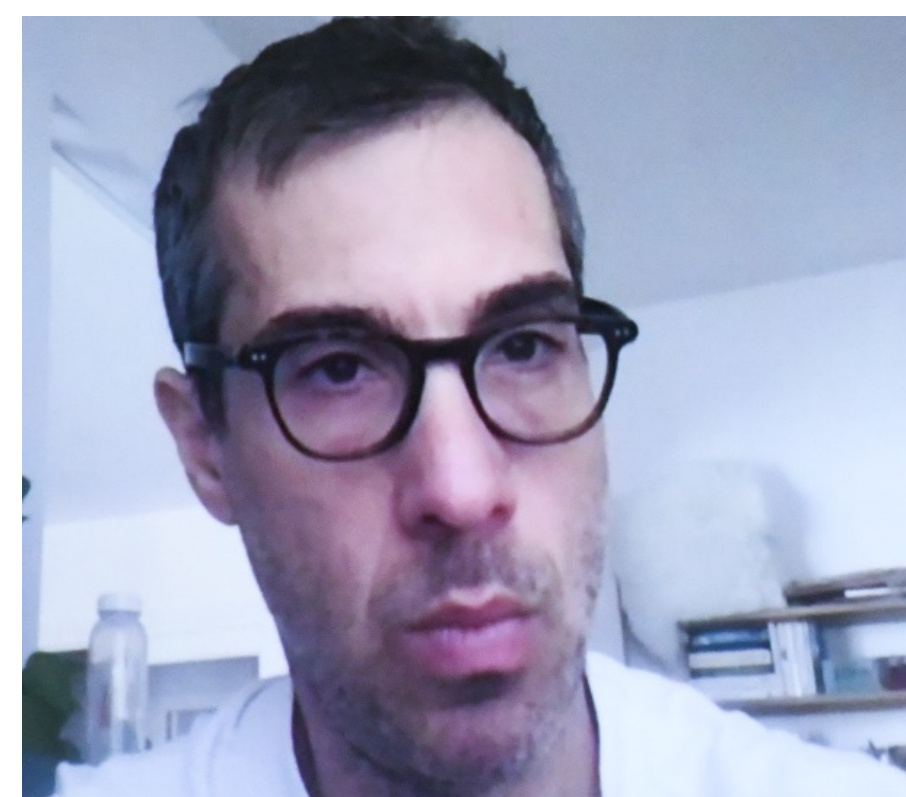
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Patrick Gikunda



Thomas Njoroge



Samson Kinyanjui & David Gihochi



Jeremiah Thuku

A BIG THANKS TO...



Dept of physics: Rahab, Caro, Maina,... The catering team: Liz, Loise, Kennedy,...

Valerie for cleaning



The ICT team



Eunah, Teresia, Arnold* and UNC



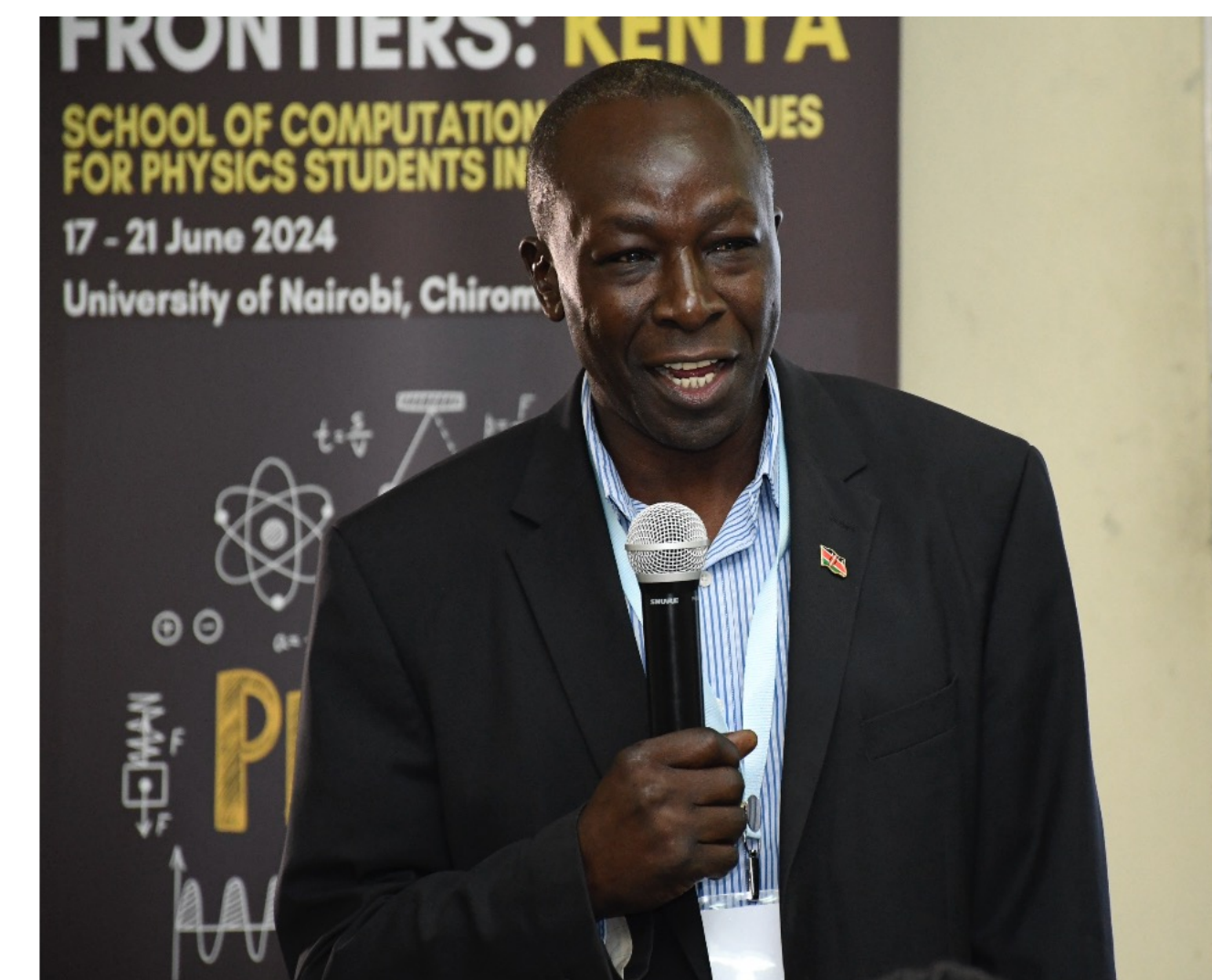
Phyllis, Elijah, Edwin for security

* All photos in this presentation are by Arnold Morwani

A BIG THANK YOU TO OUR SPONSORS...



AND PROF FRANCIS NYONGESA,
CHAIRMAN DEPT OF PHYSICS



MANY MANY THANKS TO ALL OF YOU

“Not by chance”:

- 349 applications
- 144 eligible applications, each evaluated by 3 organising committee members

MANY MANY THANKS TO ALL OF YOU

“Not by chance”:

- 349 applications
- 144 eligible applications, each evaluated by 3 organising committee members
- ... and here you are

Keep learning

Keep networking 

All the best for your future career!



