

Digital Learning Update



School of Mathematics, Statistics & Physics Digital Learning Unit

NUMBAS



Xrun

In this talk

An advert for this afternoon!

An update on Numbas, Chirun and other things...

Q & A

I'm trying out one of the potential new [audience response systems](#) today.

Join at
vevox.app

Join at
ID: 168-219-715

Digital Learning Team

Chris Graham, Christian Lawson-Perfect, Laura Midgley, Aamir Khan



Digital Learning Team

Chris Graham, Christian Lawson-Perfect, Laura Midgley, Aamir Khan



Two new team members (one fixed 15 month, one permanent) this Summer.

Some capacity for creating new content this summer: e-mail

numbas@ncl.ac.uk

This afternoon!

Hands on activities from 1:30pm.

In 2.09 (this floor, along the corridor on the right).

Try on the screens, or on your own device.

Numbas

Useful links:

- Numbas website, numbas.org.uk
- Numbas editor, numbas.mathcentre.ac.uk

Stations this afternoon:

- What can Numbas do... maths, programming, interactive graphics
- How to get started with the Numbas Editor

Numbas numbers this year

Subject	Modules	Assessments	Attempts
MAS	25 +9%	220 +42%	20390 +41%
PHY	6 +50%	35 +21%	1440 +36%
ENG	30 -14%	310 -20%	47200 -5%
Other	29 -6%	384 -24%	20460 +18%

Aside

Forgot a plot

C

Hi, can you make me some bar plots using python of the below. Values are 2022/23, with last year in brackets 2021/22. Can you put the bars side by side for each subject, rather than stacked, like they do at https://matplotlib.org/2.0.2/examples/api/barchart_demo.html. Give me hatches on the bars and organise in 3 subplots, with 2 in the top row, 1 in the bottom row. Give each subplot a title

Subject	Modules	Assessments	Attempts
MAS	25 (23)	220 (155)	20390 (14500)
PHY	6 (4)	35 (29)	1440 (1060)
ENG	30 (35)	310 (388)	47200 (49950)
Other	29 (31)	384 (509)	20460 (17390)

Save & Submit

Cancel



Certainly! I can help you create bar plots with the provided data using Python and Matplotlib. Here's the code to generate the bar plots in three subplots:



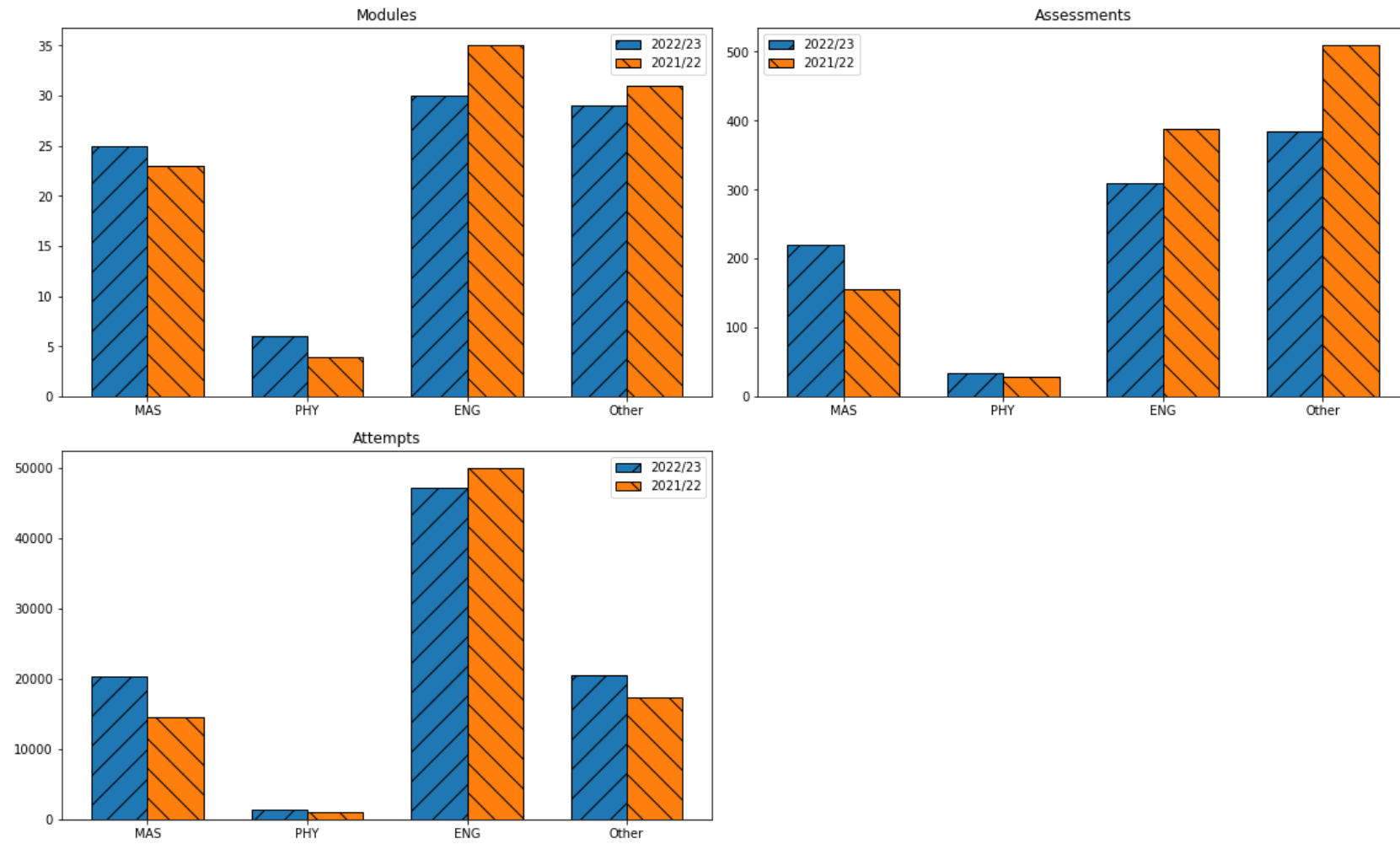
python

Copy code

```
import matplotlib.pyplot as plt

# Data
subjects = ['MAS', 'PHY', 'ENG', 'Other']
modules = [25, 6, 30, 29]
modules_last_year = [23, 4, 35, 31]
```

Subject Comparison



Exams Update

End of module exams in:

- MAS1403
- MAS1701
- MAS1902/PHY1020
- MAS1803
- MAS2806/PHY2039
- MAS2906
- SES2003

In total, 28 in-person exams using Numbas

Chirun

Useful links:

- Chirun documentation, chirun.readthedocs.io

Stations this afternoon:

- Accessibility
- What can Chirun do... example output and comparison of formats

New version of the Chirun tool coming soon...

More stations this afternoon

- Canvas quick wins
 - Tidying a Canvas module
 - Creating a Canvas page
- AI

Questions?

Join at vevox.app

ID: **168-219-715**

See you this afternoon