



11th October 2022

Alistair Rogers, Frank Kelly,  
David Greenwood, Valerio Maggio,  
James C Yarrow, Lenka Hašová and Bharat Kunwar

NUMFOCUS  
OPEN CODE = BETTER SCIENCE



ADLIB

# The organisers

Welcome to Alistair and Valerio!

Goodbye to John and Miquel :/

M-KOPA



**James**  
Yarrow

**Lenka**  
@LenkaHas

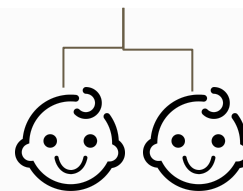
**Alistair**  
@alistairlr112

**Valerio**  
@leriomaggio

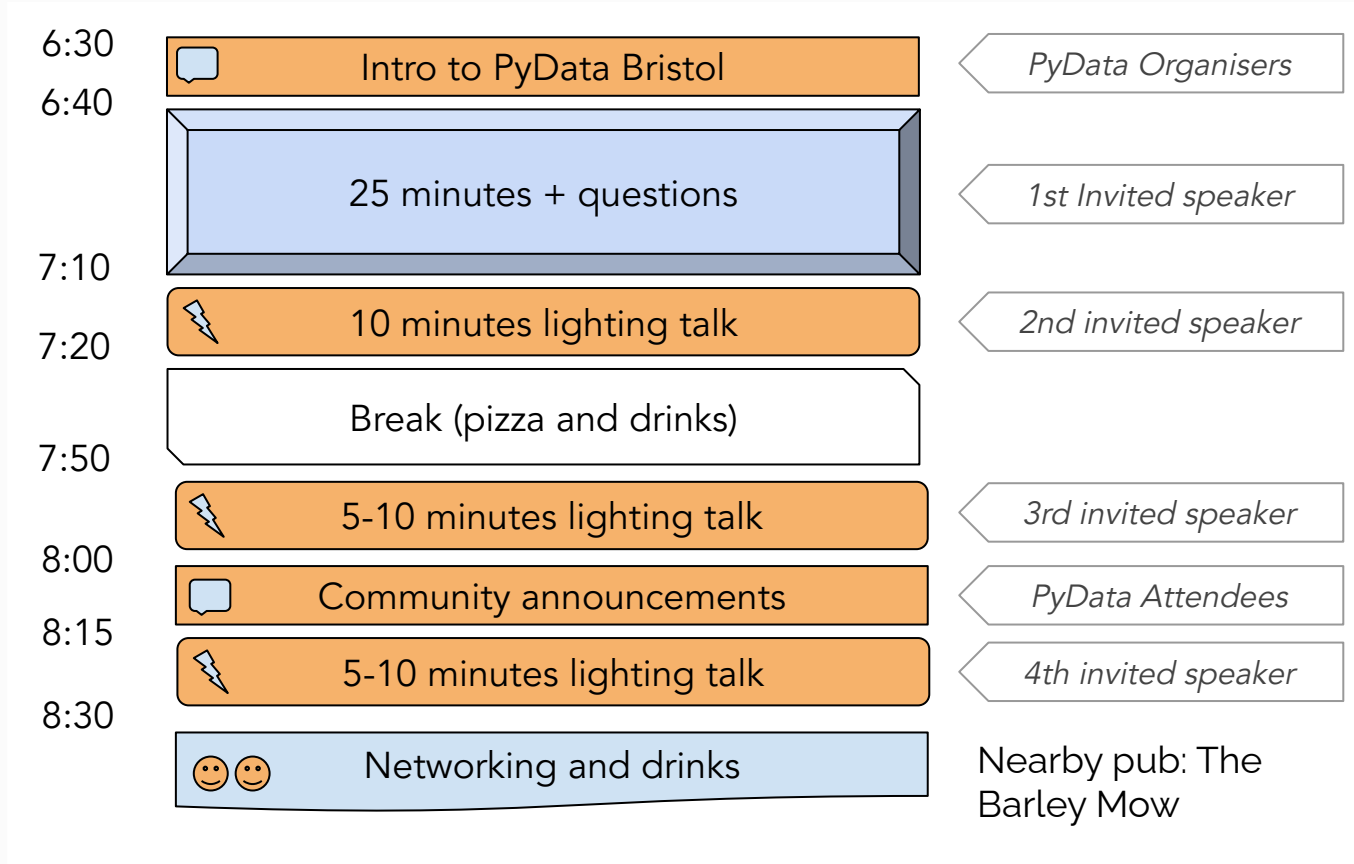
**Frank**  
@norhustla

**David**  
@dsg22

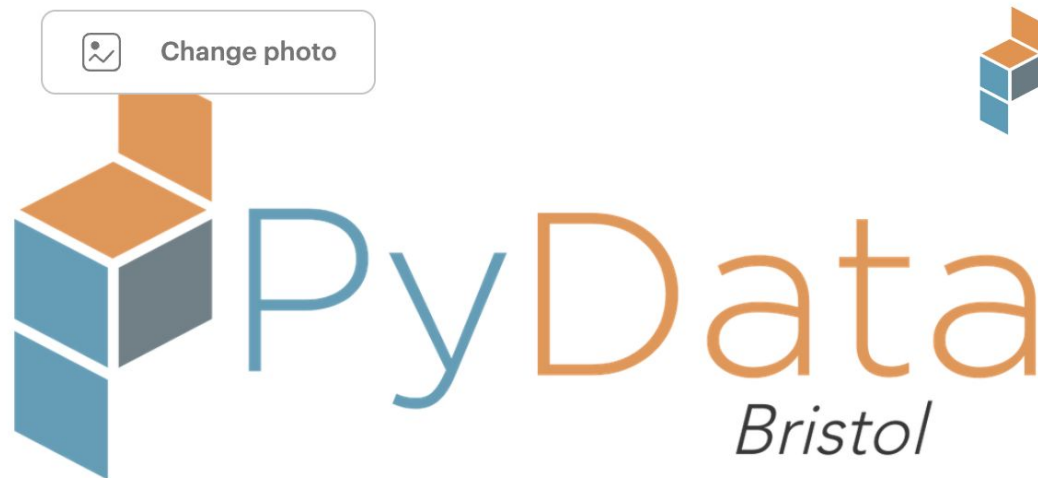
**Bharat**  
@brtknr



# PyData Bristol - Event format



# PyData Bristol: Established 2018, 940+ members!



Part of **PyData** – 211 groups ?

## PyData Bristol

📍 Bristol, United Kingdom

👤 942 members · Public group ?

👤 Organized by **Frank Kelly** and 8 others

 [Edit group info](#)

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<https://github.com/pydatabristol>

README.md

## PyData Bristol Meetups

Links:

- [PyData Bristol on Meetup.com](#)
- [@PyDataBristol on Twitter](#)
- [PyData Bristol YouTube Channel](#)

## Past meetups

You can find schedules, slides and recordings of previous events below.

- [1st PyData Bristol meetup March 2018](#)
- [2nd PyData Bristol meetup May 2018](#)
- [3rd PyData Bristol meetup Jul 2018](#)
- [4th PyData Bristol meetup Sep 2018](#)
- [5th PyData Bristol meetup Nov 2018](#)
- [Christmas joint event PyData Bristol and DBBUG meetup Dec 2018](#)
- [6th PyData Bristol meetup Jan 2019](#)
- [7th PyData Bristol meetup Mar 2019](#)

## PyData Bristol Workshops

Links:

- [PyData Bristol on Meetup.com](#)
- [@PyDataBristol on Twitter](#)
- [PyData Bristol YouTube Channel](#)

## Workshops

You can find slides and code for our workshops below:

- [Intro to Deep Learning with Keras \(20th Sep 2018\)](#)
- [Intro to Recurrent Neural Networks \(13th Nov 2018\)](#)
- [First Steps with Python \(28th Oct 2019\)](#)
- [Introduction to Python \(23rd Jan 2020\)](#)
- [First Steps with pandas \(27th Feb 2020\)](#)

Schedules, slides and recordings of previous events can be found in

## Coming Soon - Local and national events

CodeHub Bristol & Womens Tech Hub are running Workshop Wednesdays again.  
Two groups: CS50 (so well taught, recommend this a lot) + frontend.

<https://www.meetup.com/CodeHub-Bristol/events/289001390/>

Next PyData London is Tue 1st November 2022 at 1 Angel Lane near Monument

<https://www.meetup.com/pydata-london-meetup/events/288579967/>

Make Friends with PyScript 🙌🦩❤️ @ PyLadies London is Tue 25th October 2022, 6:00 PM at  
Infinity Works 20 Farringdon Road · London

<https://www.meetup.com/pyladieslondon/events/288820494/>

<https://twitter.com/pydatabristol>

# Coming Soon - International events

## PyCon US 2023

April 19 – 28, 2023. [Salt Lake City, Utah, USA.](#)

[general python](#)

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TBA

Deadline: TBA

## PyCon Bolivia 2022

December 9 – 10, 2022. [Cochabamba, Bolivia.](#)

[general python](#)

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TBA

Deadline: TBA

## Pydata Eindhoven 2022

December 2, 2022. [Eindhoven, Netherlands.](#)

[python for data](#)

23 days 16h 21m 15s

Deadline: Wednesday, 2 November 2022



[Google](#) [Yahoo!](#) [iCal](#) [Outlook](#)

<https://pythondeadlin.es/?sub=PY,SCIPY,PYDATA>

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# NUMFOCUS

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[2023.pycon.de/blog/training-day-october-22/](https://2023.pycon.de/blog/training-day-october-22/)



The poster for Training Day 2022 features a white background with a blue border at the bottom. At the top, three logos are displayed: NUMFOCUS (with the tagline 'OPEN CODE = BETTER SCIENCE'), PyData, and the Python Software Verband e.V. logo. Below these, the text 'Training Day' is written in a large, bold, black font, followed by '21. October 2022, bcc Berlin Congress Center' in a smaller, bold, black font. Underneath, three more logos are shown: ANACONDA, QuantStack Scientific Computing, and Python Academy Training & Consulting. At the bottom, a row of 15 diverse, stylized cartoon avatars of people with various skin tones, hair colors, and styles are shown, all smiling.

NUMFOCUS  
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PyData

Python Software Verband  
e.V.

**Training Day**  
**21. October 2022, bcc Berlin Congress Center**

ANACONDA. QuantStack Scientific Computing KÖNIGSWEG Python Academy Training & Consulting



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# Package of the Month

```
pip install docarray
```



```
from docarray import Document
```

```
d = Document(uri='toy.mp4')  
d.load_uri_to_video_tensor()
```

```
print(d.tensor.shape)
```

```
(250, 176, 320, 3)
```

```
from docarray import Document
```

```
d = (  
    Document(uri='apple.png')  
    .load_uri_to_image_tensor()  
    .set_image_tensor_shape(shape=(224, 224))  
    .set_image_tensor_normalization()  
    .set_image_tensor_channel_axis(-1, 0)  
)
```

```
print(d.tensor, d.tensor.shape)
```

```
[[[2.2489083 2.2489083 2.2489083 ... 2.2489083 2.2489083 2.2489083]  
 [2.2489083 2.2489083 2.2489083 ... 2.2489083 2.2489083 2.2489083]  
 [2.2489083 2.2489083 2.2489083 ... 2.2489083 2.2489083 2.2489083]  
 ...  
 [2.64      2.64      2.64      ... 2.64      2.64      2.64      ]  
 [2.64      2.64      2.64      ... 2.64      2.64      2.64      ]  
 [2.64      2.64      2.64      ... 2.64      2.64      2.64      ]]]  
(3, 224, 224)
```

# Ada Lovelace Day!

Celebrating the fantastic achievements  
of all the Women in STEM 🧬👩🔬

*"The more I study, the more insatiable do I feel my  
genius for it to be"*



# The Barley Mow

