15th PyData
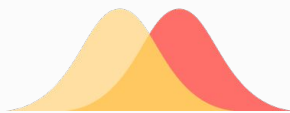
Bristol

27nd February 2020

Miquel Perelló-Nieto, Frank Kelly,
John Sandall, David Greenwood,
James C Yarrow, Lenka Hašová and Bharat Kunwar

NUMFOCUS
OPEN CODE = BETTER SCIENCE

coefficient

OVO energy

PyData meetups

887 from PyData Bristol
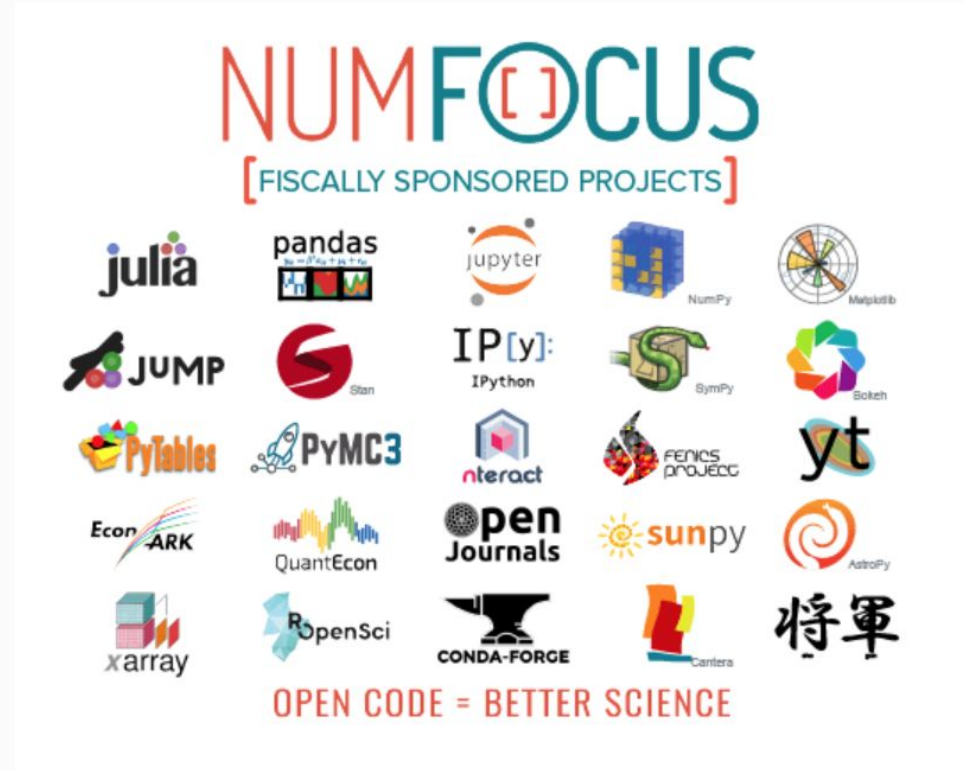
Members approx. **152,020**

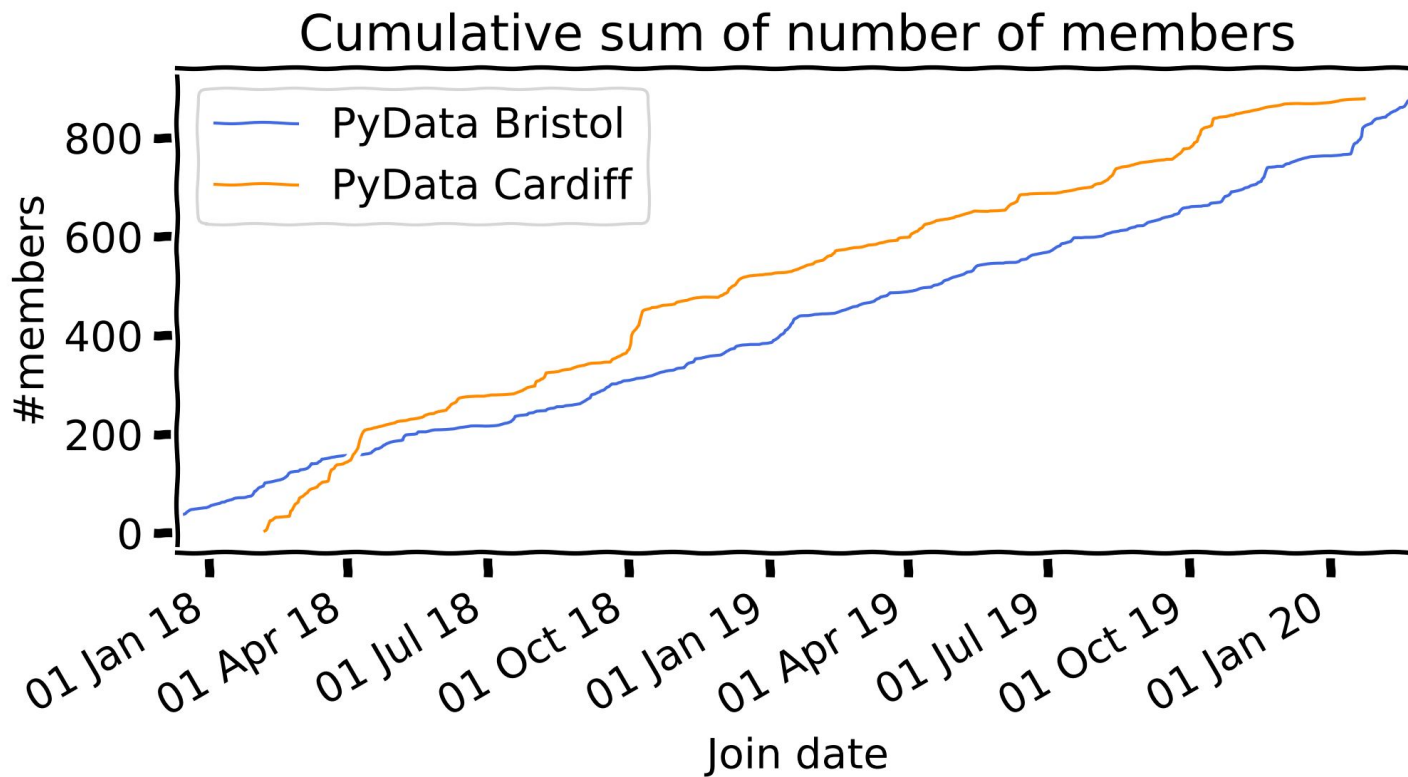Groups **160**

Countries **59**

NumFocus: Open Code = Better Science

- Non-profit supporting open source scientific computing

- Projects include Jupyter, Pandas, NumPy, MatplotLib

- PyData = flagship educational programme

https://numfocus.org/

PyData Bristol vs Cardiff members - 27th February 2020

927(+49)
897(+65)

Current members (increase from last meetup)

PyData Bristol - tonight

Time	Session	Speaker
7:00	Intro to PyData Bristol	*PyData Organisers*
7:10	Why think Spatially	*Levi Wolf*
7:40	In database Python with SQL Server	*James Yarrow*
7:50	Break	
8:15	Community announcements	*PyData Organisers*
8:25	Agile and DevOps for Data Scientists	*Chris Mussel*
9:00	Networking and drinks	The Knights Templar/Wetherspoon

PyData Bristol - Pizzas Venn Diagram

All possible pizzas
(yes, pizza with pineapple as well)

Meat

No Meat

Gluten Free

Vegan
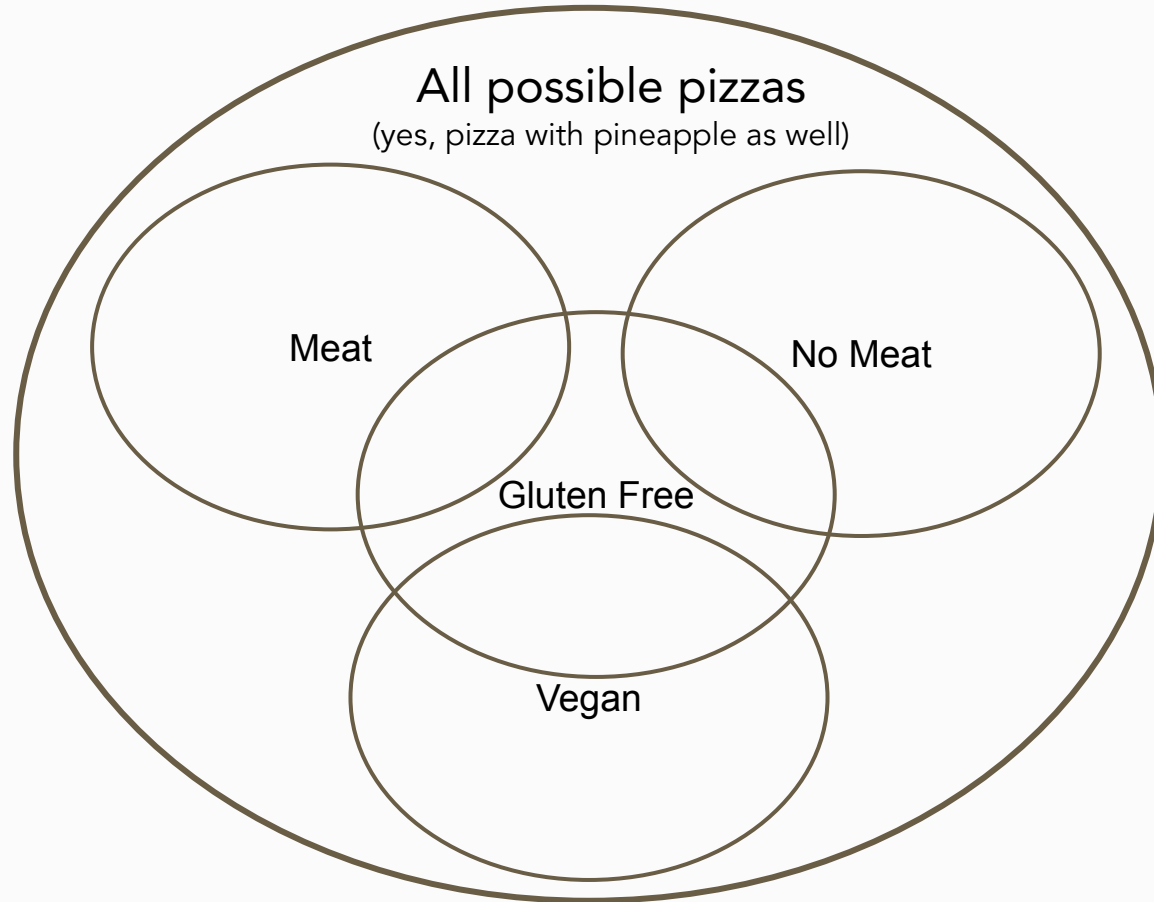
Upcoming events

JupyterCon 2020: August 10-14 in Berlin

JuliaCon 2020 Lisbon Monday 27th to Friday 31st of July

PyData (and other) Data Conference 2020 in Bristol

PyData London 2020

15-17 May 2020 | Main Conference
14 May 2020 | Beginners Bootcamp

Venue

15-17 May 2020 | The Tower Hotel (St. Katharine's Way, London E1W 1LD)
May 14 (Beginners Bootcamp) | Wellcome Trust (215 Euston Road, London NW1 2BE)

PyData 2020 Conferences

LONDON: Fri 15 May – Sun 17 May

Want to Volunteer at a PyData Conference?

Send an email to admin@pydata.org

Interested in sponsoring a 2020 PyData Event?

View the Sponsorship Prospectus

More about the conference on https://pydata.org/london2020/

LONDON

NEW YORK CITY

BERLIN

AMSTERDAM

LOS ANGELES

EINDHOVEN

AUSTIN

CORDOBA

WARSAW

TEL AVIV

NEW DELHI

MIAMI

*Schedule and Locations subject to Change

Package of the month

Pandas 1.0

Stack Overflow Traffic to Questions About Selected Python Packages

Based on visits to Stack Overflow questions from World Bank high-income countries
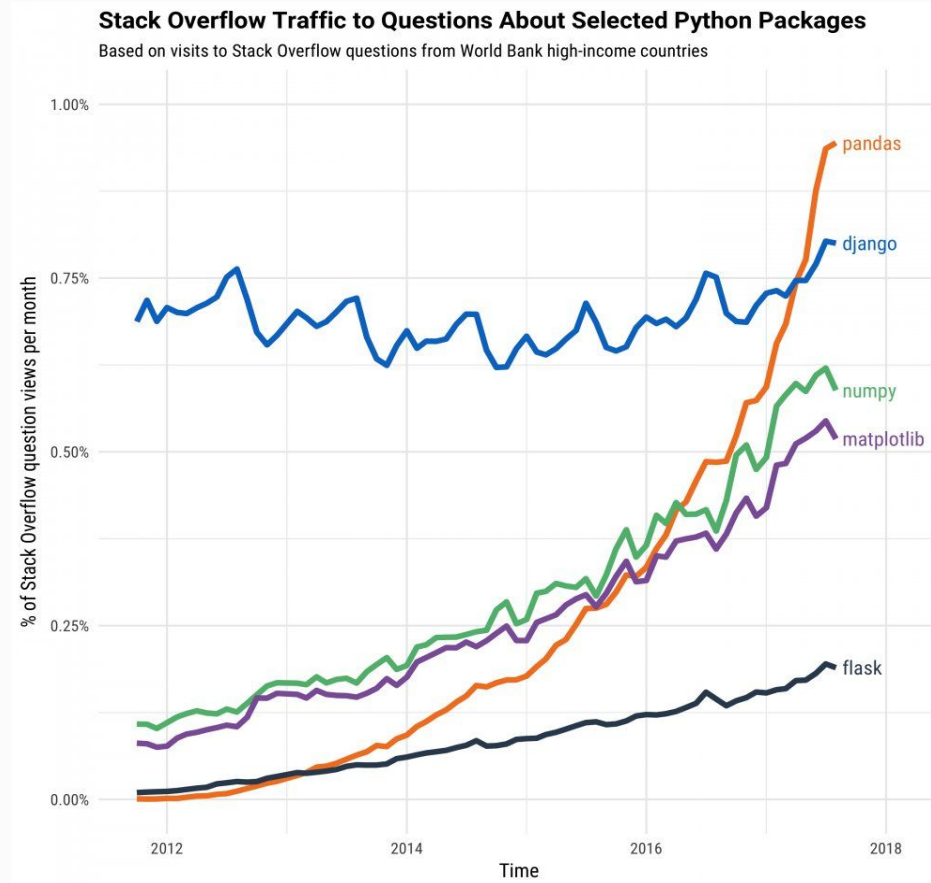
Package of the month

Pandas 1.0

1.

```python
print(df[df['cyl'] == 6][['manufacturer', 'mpg']].to_markdown())
```

```
|    |  manufacturer   |  mpg  |
|---:|:----------------|------:|
|  0 | Mazda RX4       |  21   |
|  1 | Mazda RX4 Wag   |  21   |
|  3 | Hornet 4 Drive  |  21.4 |
|  5 | Valiant         |  18.1 |
|  9 | Merc 280        |  19.2 |
| 10 | Merc 280C       |  17.8 |
| 29 | Ferrari Dino    |  19.7 |
```

3.

```python
df = df.convert_dtypes()
```

```
df.dtypes
```

```
manufacturer      string
mpg              float64
cyl                Int64
disp             float64
hp                 Int64
drat             float64
wt               float64
qsec             float64
vs                 Int64
am                 Int64
gear               Int64
carb               Int64
dtype: object
```

2.
- `np.nan` — for floats
- `None` — for objects
- `pd.NaT` — for date and time

\>\>

```
pd.NA
```

```
<NA>
```

Official documentation; ttps://pandas.pydata.org/pandas-docs/version/1.0/whatsnew/v1.0.0.html

Googlesheets4

You can install the released version of googlesheets4 from CRAN with:

```
install.packages("googlesheets4")
```

```r
(ss <- sheets_create("fluffy-bunny", sheets = list(flowers = head(iris))))

head(mtcars) %>%

    sheets_write(ss, sheet = "autos")
```

Hopeful or Hopeless??

Participate!

- PyData is community-driven
- Share your knowledge (novice to advanced) via a talk
  http://bit.ly/pydata-bristol-talk-proposal
- Propose interesting discussions
- New data analysis tools? New trends?

Contact us!

| James Yarrow | Lenka @LenkaHas | Miquel @PerelloNieto | John @John_Sandall | Frank @norhustla | David @dsg22 | Bharat @brtknr |

Code of Conduct

- Be kind to others and be inclusive.
- We're dedicated to providing a harassment free event to everyone - regardless of different backgrounds, orientations, or gender identities.

How to report an incident

- Ask for a meet-up organiser - we're here to help :-)
- Online report http://bit.ly/cocbristol

Any questions or reports do not hesitate to contact

- David Greenwood: dsg27@cantab.net
- Miquel Perelló Nieto: perello.nieto@gmail.com

David

Miquel