PyData

Bristol

17th January 2019

Welcome from: Miquel Perelló-Nieto, Frank Kelly and John Sandall

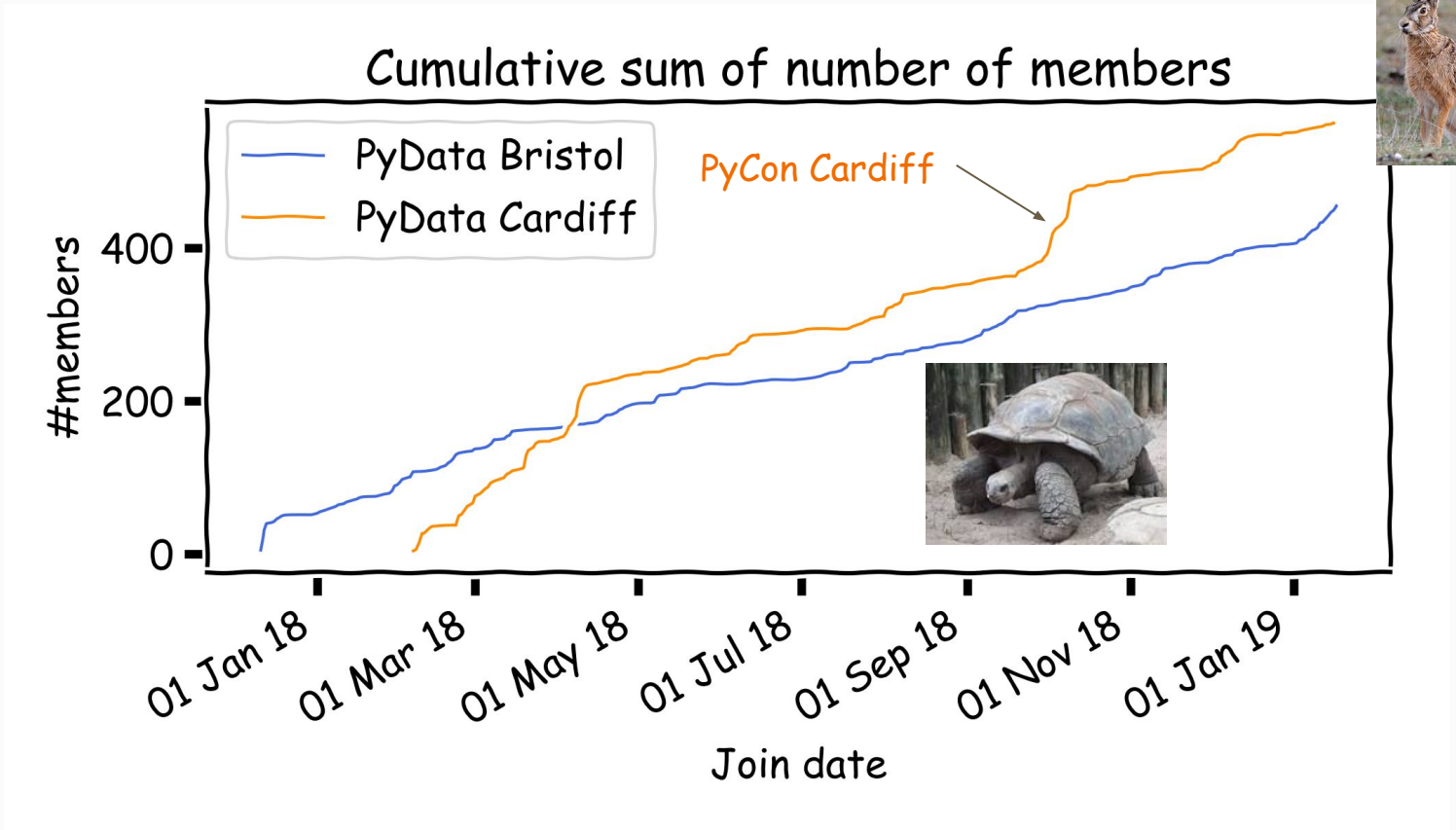
NUMFOCUS

OPEN CODE = BETTER SCIENCE

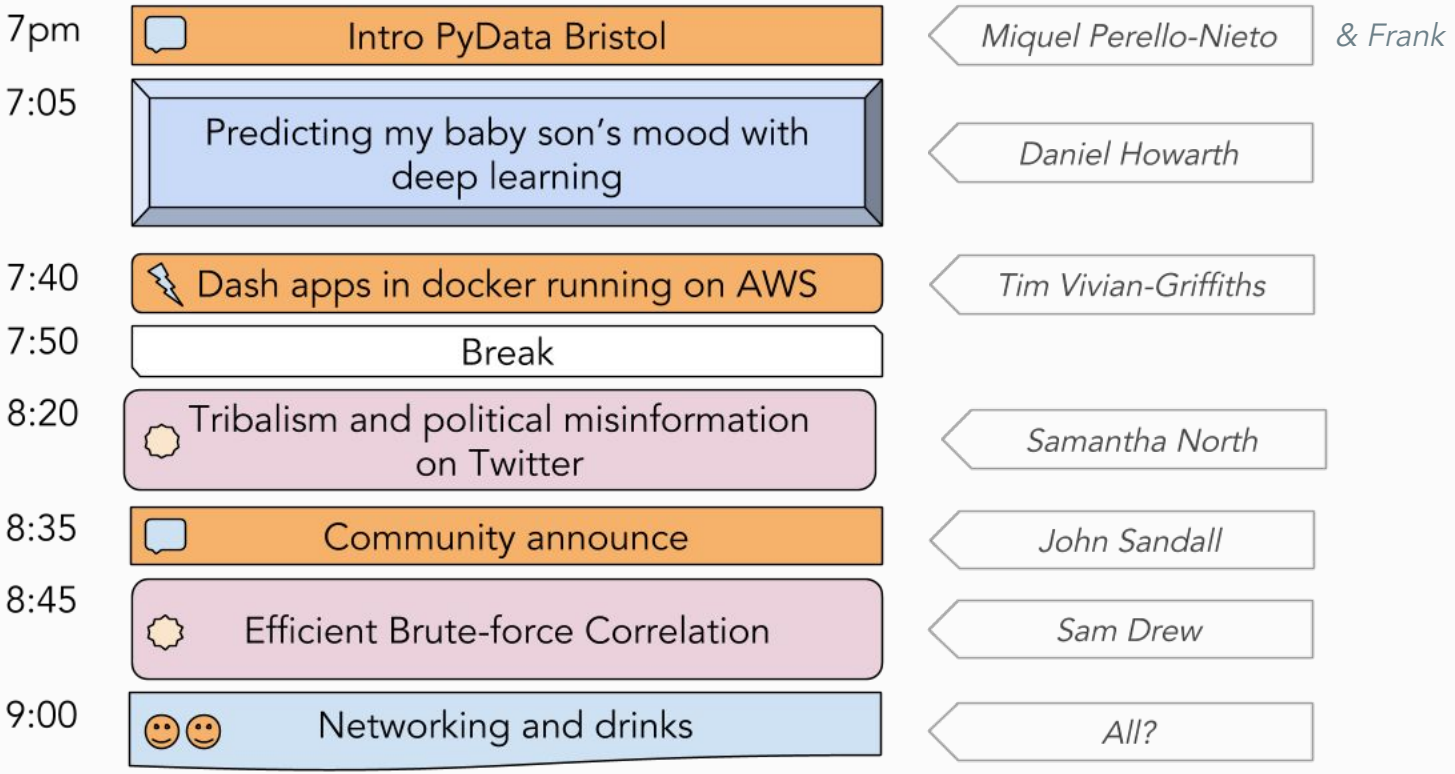
ovo energy

IBM®

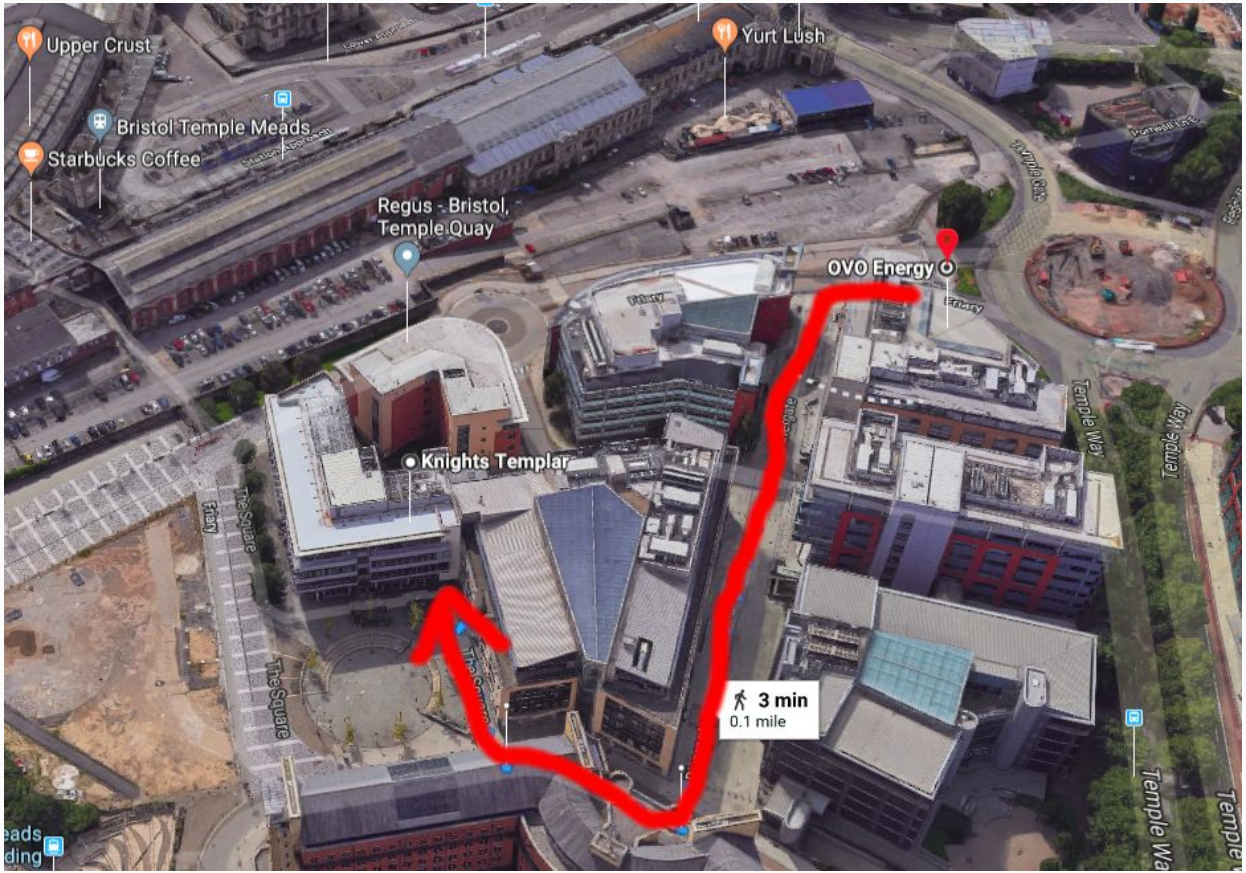
PyData Bristol and Cardiff members



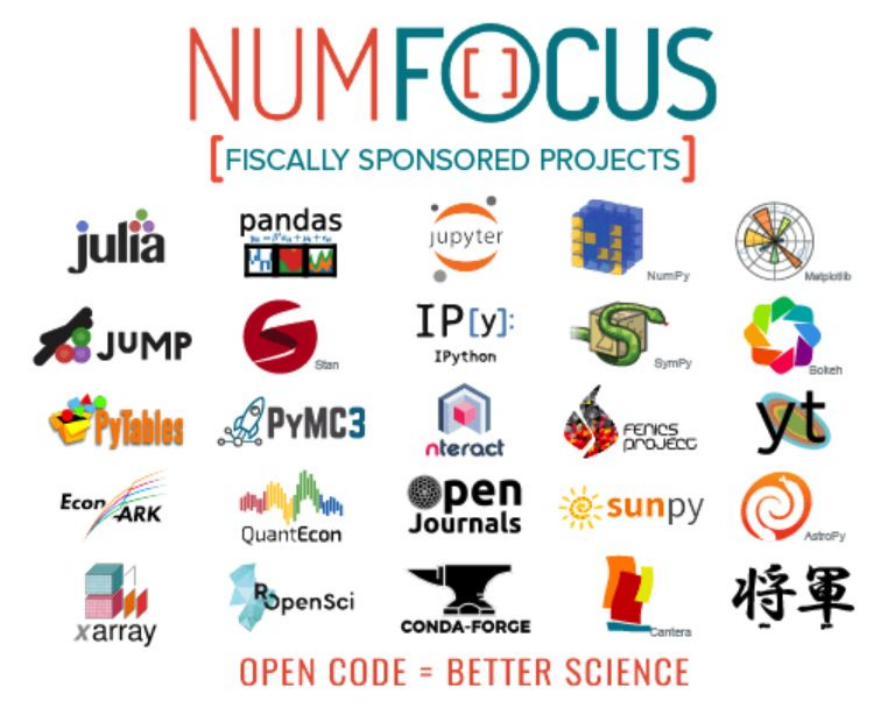
PyData Bristol - tonight



Networking drinks @ 9pm



NumFOCUS and community news



https://shop.spreadshirt.com/numfocus/

Official PyData Logo and Wordmark - Organic Short Sleeve Baby Bodysuit

$21.49

Upcoming events

#Codehub Bristol Meetup (22nd January) - Hack night
#Bristol R User Group Meetup (29th January) - First event
#Codehub Bristol Meetup (30th January) Python - Code Dojo
#Bristol Complete Cyber Meetup (6 February)

#PyData Cardiff Meetup (13th February)
- Probabilistic Programming & Pipelines in Python

#PyData Bristol Meetup (21st March) - agenda TBC

#European Pandas Summit London (1st-3rd Feb) - hack with the core devs!
https://python-sprints.github.io/europandas2019/#location

#PyData London Annual Conference (12-14th July) - looking for sponsors
- https://pydata.org/london2019/

The bimestrial package: boltons

"Boltons should be builtins"

A large number of useful additions to the Python standard library

```
pip install boltons
```

https://boltons.readthedocs.io/en/latest/

Chunked and moving window iterations:

```
>>> list(chunked_iter(range(10), 3))
[[0, 1, 2], [3, 4, 5], [6, 7, 8], [9]]
```

```
>>> list(windowed_iter(range(7), 3))
[(0, 1, 2), (1, 2, 3), (2, 3, 4), (3, 4, 5), (4, 5, 6)]
```

- `bytes2human`: convert data sizes into friendler forms:

```
>>> bytes2human(1e6)
'977K'
>>> bytes2human(20)
'20B'
```

- `singularize` and `pluralize`:

```
>>> pluralize('theory')
'theories'
>>> singularize('mice')
'mouse'
```

Queue utils:

```
>>> pq = PriorityQueue()
>>> pq.add('low priority task', 0)
>>> pq.add('high priority task', 2)
>>> pq.add('medium priority task 1', 1)
>>> pq.add('medium priority task 2', 1)
>>> len(pq)
4
>>> pq.pop()
'high priority task'
>>> pq.peek()
'medium priority task 1'
```

Participate!

- PyData is community-driven
- Share your knowledge (novice to advanced) via a talk
  https://goo.gl/forms/8lsz1WA1986Ahbbs1
- Propose interesting discussions
- New data analysis tools? New trends?

Contact us!

- @John_Sandall

- Miquel @PerelloNieto

- Frank Kelly (@norhustla)

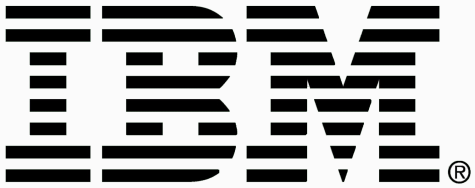
Miquel

John

Frank

Thanks to all attendees and sponsors!

- Alexander Goodanew
- Luke Johnson
- Graeme Taylor
- James Yarrow
- And others



- Margriet Groenendijk

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Do you want to be a sponsor?
Come and talk to us.