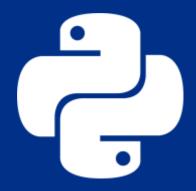


NHS.pycom: The Python community for healthcare

Speakers:

Craig Shenton, Mary Amanuel, Arouba Zubair - NHSX Alex Cheung - NHS England





Python is a widely adopted, open source programming language

Compared to other languages, it is relatively easy to learn due to its human readable syntax. As such, Python will play a central role in the 21st century digital transformation of health care





What is the NHS Python Community?

An open community of practice, driven by enthusiasts and advocates, that champions the use of the python programming language and open code in the NHS and healthcare sector





NHS.pycom is *not*:

- Offering Consultancy services
- Providing official training or certification
- IT support



Aim 1.



Reduce barriers to entry by promoting the use and best practice of python tools

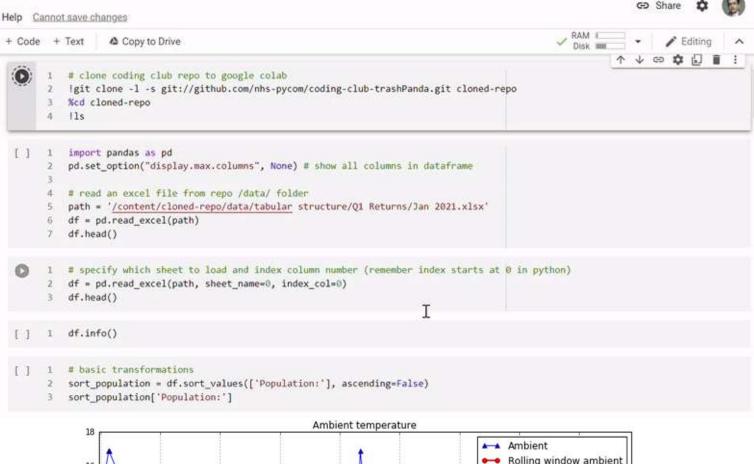
Publishing to public GitHub repositories, and using online coding platforms such as Google Colab.

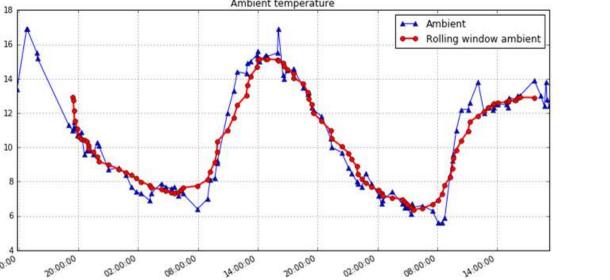


Example:

GitHub + Colab

- Access to all the tools required for python / Machine Learning / Artificial Intelligence
- Browser based, cross-platform (windows, mac, linux)
- No downloads required
- No install required
- No admin rights required
- Clone GitHub repo in one click





Aim 2.



Champion the use of open source code and open data

So tools can be further developed, re-used, and improved upon by everyone in the community



Example:

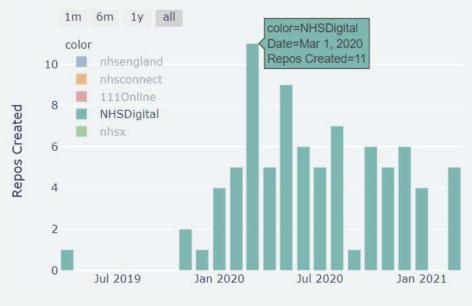
Open NHS Code Repositories

- [Alpha] Collection of statistics on open source NHS github repositories
- Using end-to-end open source analytics: python, plotly, github.io, and github actions.
- Get your organisation added to the collection, email: <u>craig.shenton@nhsx.nhs.uk</u>



Statistics on open source healthcare repositories

View the Project on GitHub
nhsx/open-health-statistics



Org	Open Repos	Total Size	Stargazers	Forks	Open Issues	Top License	Top Language
111Online	13	522097	10	0	26	Apache License 2.0	C#
NHSDigital	83	497099	91	74	348	MIT License	Python
nhsconnect	178	3193248	243	198	406	Apache License 2.0	CSS
nhsengland	23	36298	14	38	80	MIT License	Python
nhsx	32	429206	199	85	54	MIT License	Python

Aim 3.



Break down silos of expertise

Improve technical communication and collaboration across the NHS and Healthcare sector



Aim 4.



Make coding accessible to ALL members of the healthcare community

Regardless of background or current level of ability



NHSX Early Careers feedback







Fill in the survey to get involved

- 1. Suggestions/Feedback
- 2. Communications channel
- 3. Ideas for content

Link:





AnalystX platform

Launching April 19th

Details...







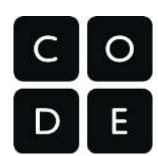


DATAQUEST





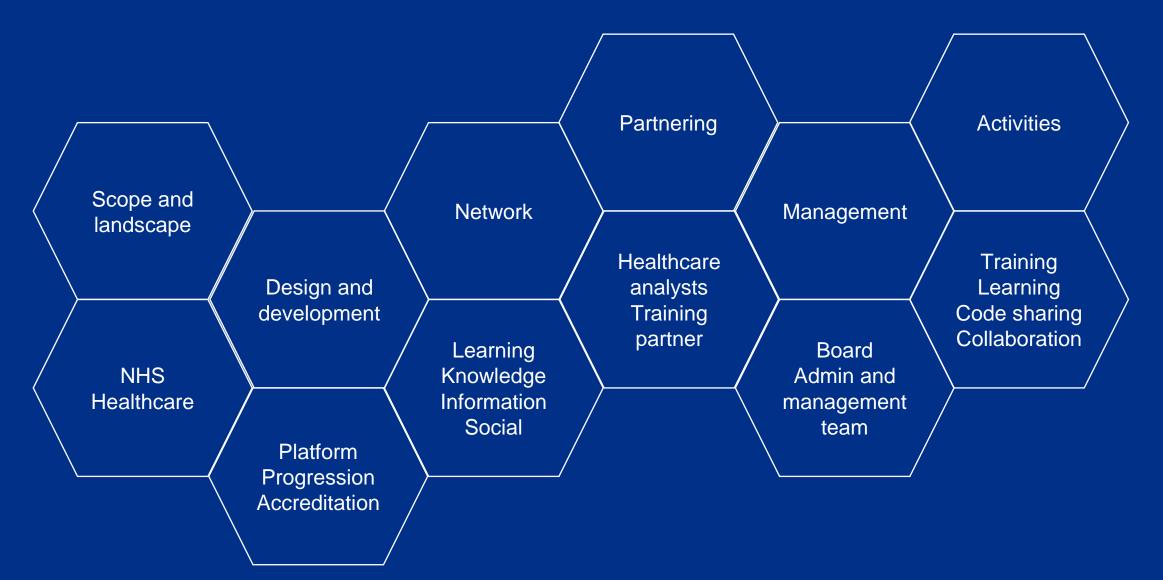
coursera













Discover

Exploring the use of python in the NHS

Make connections with super users

Formulate

A development plan

Provide a channel for discussion

Illustrate

The ability code sharing between organisations

A catalogue of products

Publish

Learning
material
Case studies
Shareable
codes
Presentation
Future proof
concept

Administrate

FutureNHS

User support

Platform management













- 1. Best way for us to get in touch
- 1. Feedback/Suggestions
- 1. Ideas for content



Connect with us

NHS.pycom: nhs-pycom.net

FutureNHS: **AnalystX**

NHSX: Analytics Unit

Email: pycom@nhsx.nhs.uk