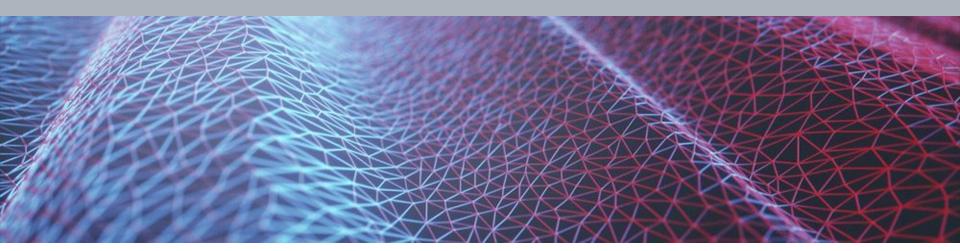


Al Skunkworks in the NHS



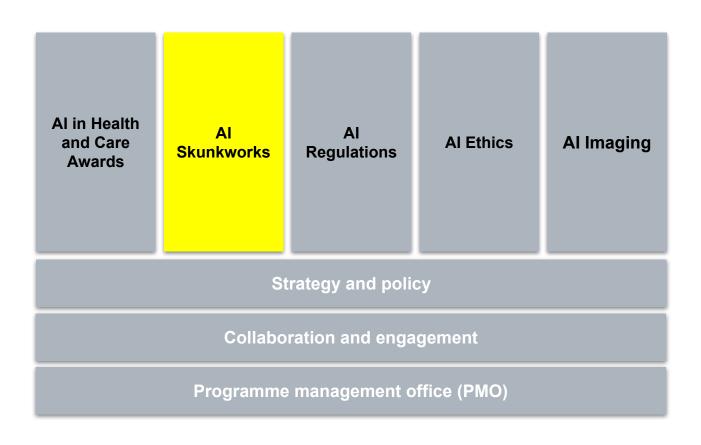
Giuseppe Sollazzo

@puntofisso

Deputy Director, Head of Al Skunkworks & Deployment

Al Skunkworks in the NHS Al Lab





The original Skunk Works





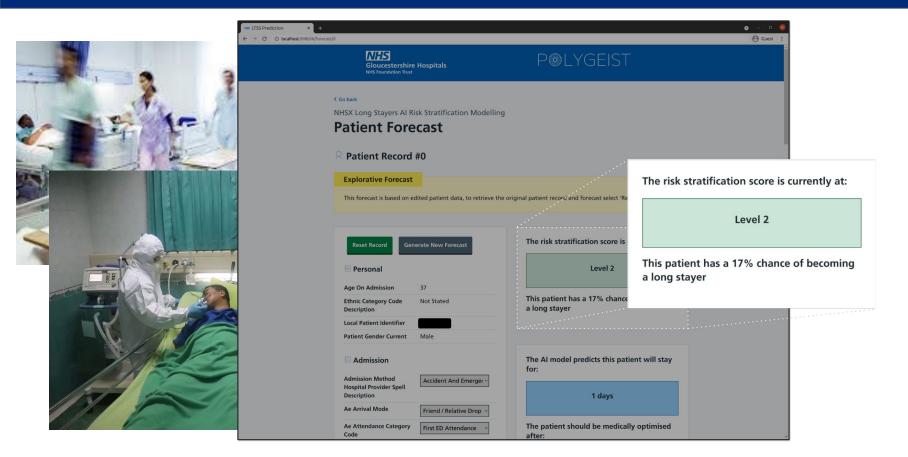
AI Skunkworks: vision



Organisations in the health and care system are able, through practical experience, to understand, build, buy, deploy, support and challenge AI solutions.

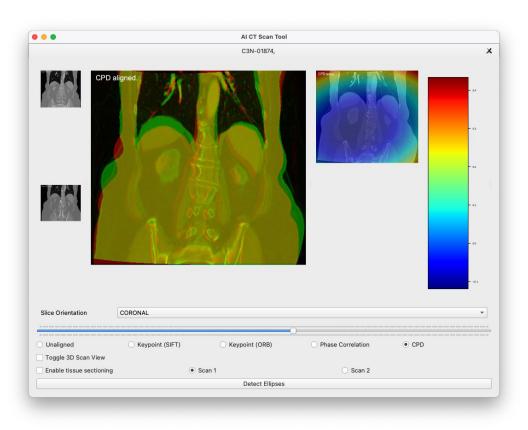
Hospital Long Stayers Forecasting





Automatic lesion detection and CT scan alignment





How we work



What we offer to our NHS partners

- Agile 12-week projects in co-production with suppliers to deliver a proof-of-concept / MVP
- A 'SWAT' capability to help NHS Trusts directly, hands-on
- Deep dives, consultancy, advisory service through our team

What we achieve

- Address a local problem
- Foster collaborations and community
- Share **knowledge**, open source code

Open source, open knowledge

Identifying features in CT scans with

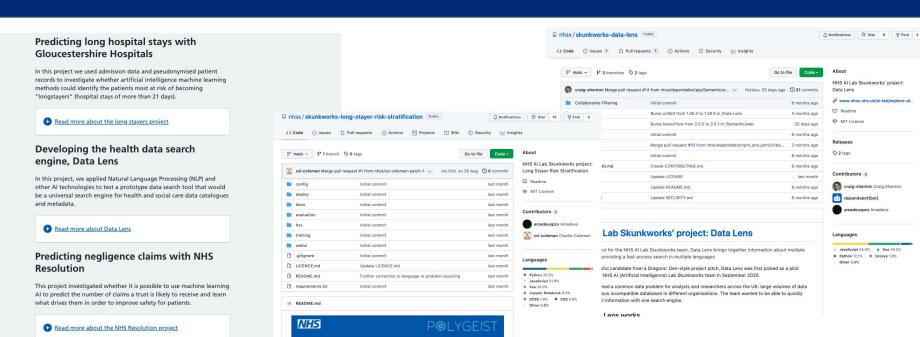
This challenge was suggested by a team at George Eliot Hospital who

wanted to speed up the analysis of computerised tomography (CT)

scans to free up radiologists' time and help identify tissue growth.

George Eliot Hospital





NHS Al Lab Skunkworks project: Long Stayer Risk

A pilot project for the NHS AI (Artificial Intelligence) Lab Skunkworks team, Long Stayer Risk

Stratification uses historical data from Gloucestershire Hospitals NHS Foundation Trust to

As the successful candidate from the AI Skunkworks problem-sourcing programme, Long Stayer Risk Stratification was first picked as a pilot project for the AI Skunkworks team in April 2021.

Hospital long stayers, those with a length of stay (LoS) of 21 days or longer, have significantly worse medical and social outcomes than other patients. Long-stayers are often medically

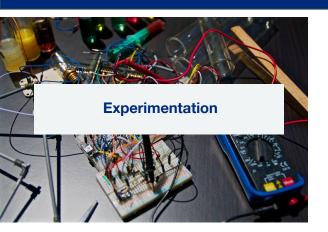
predict how long a patient will stay in hospital upon admission.

Stratification

Background

Al Skunkworks









Test Learn Share

Thank you

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