

Why is NHS-R so awesome and *how can we make it even more awesome?*

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Introduction

- ▶ I learned R in 2009 in the bad old days
- ▶ I swore that I'd make sure that others didn't suffer like I did
- ▶ NHS-R is the fulfilment of this promise

Core values of open source

- ▶ Transparency
- ▶ Collaboration
- ▶ Release early and often
- ▶ Inclusive meritocracy
- ▶ Community
- ▶ Work across organisational boundaries (obviously)

Core values

- ▶ Flat hierarchy
- ▶ Sharing
- ▶ Cooperate across organisational boundaries
- ▶ We cooperate across international boundaries
- ▶ We love beginners
- ▶ We make mistakes and learn together

What is NHS-R?

- ▶ Culture > Strategy
- ▶ Doing > Talking
- ▶ NHS-R is your permission to work your way
- ▶ Nobody ever asks us to do our best work
 - ▶ `NHSRplotthedots`
- ▶ We know what to build, we know what to learn
- ▶ “Computer (department) says no”

What's the recipe?

- ▶ Senior fellows:
 - ▶ Statistics
 - ▶ Machine learning
 - ▶ Academia
 - ▶ Open source
 - ▶ Teaching
- ▶ Community driven

Open source

- ▶ We believe in open source
- ▶ All NHS R solutions are open source
- ▶ We teach git and GitHub and encourage organisations to share their code
- ▶ We build stuff together because we believe in the value of the community

The screenshot shows a GitHub repository page with a dark theme. At the top, there's a 'Pinned' section with six repository cards. Each card displays the repository name, a brief description, and statistics for languages, stars, and forks. The repositories are: **shiny-training** (One day Shiny training for health and care analysts), **intro_r** (Workshop materials for revised NHS-R Community 'Introduction to R and R Studio' course), **NHSRdatasets** (Free NHS and healthcare related datasets for training and learning R), **Webinars** (Repository for the NHS-R Community Webinars), **NHSRplotthedots** (A collaborative SPC package to support NHS-R 'Making Data Count' programme), and **p.xtextmineR** (An R wrapper for a Python pipeline to classify text based patient experience data). Below the pinned section is a 'People' section with a grid of 15 circular profile pictures of community members, including some with NHS logos. At the bottom of the 'People' section is a button labeled 'Invite someone'.

Pinned

Customize your pins

shiny-training
One day Shiny training for health and care analysts
● R ☆ 15 ▼ 7

intro_r
Workshop materials for revised NHS-R Community "Introduction to R and R Studio" course
● JavaScript ☆ 3 ▼ 10

NHSRdatasets
Free NHS and healthcare related datasets for training and learning R
● R ☆ 39 ▼ 10

Webinars
Repository for the NHS-R Community Webinars
● HTML ☆ 27 ▼ 7

NHSRplotthedots
A collaborative SPC package to support NHS-R 'Making Data Count' programme
● R ☆ 6 ▼ 6

p.xtextmineR
An R wrapper for a Python pipeline to classify text based patient experience data
● R ☆ 2

People

Invite someone

Force multiplier

- ▶ Code is a force multiplier
- ▶ Wickham, 2014 <https://bit.ly/3jQ5Suj>
- ▶ So is a community
- ▶ NHS-R is absurdly cheap and its ROI is absurdly high
- ▶ NHS-R is making people happy and productive
- ▶ NHS-R is changing the lives of its members and improving healthcare for everyone in the UK