

How to get help with software development from RITS

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Research Software Development Group

- Part of Research IT Services
- Programmers who specialise in research software

Research Software Development

Providing expertise in creating software for academic research, and collaborating with researchers across UCL on projects requiring these skills.

Key features

CORE

- Expert advice on software development opportunities for projects and grant proposal costing at rc-softdev@ucl.ac.uk.
- Community building and peer support through the [Research Programming Hub](#).
- [Tools to support version control and testing](#).
- Promote software as a research output.

CORE+

- Close collaboration with researchers to produce high quality research software.
- Capabilities span the development of new applications to optimising existing code.
- Experts from diverse academic backgrounds and disciplines essential in understanding your research goals.
- Flexible options to pay for staff and expenses.

Overview

The UCL Research Software Development Group (RSDG) are professional software developers with particular expertise in creating software for academic research. Our goal is to enhance UCL's capacity to produce high quality scientific software, from the simplest scripts to complex simulations running on state-of-the-art supercomputers. Researchers can collaborate with us on projects with a significant programming component by costing our services into grant submissions or paying a day rate.

Types of projects

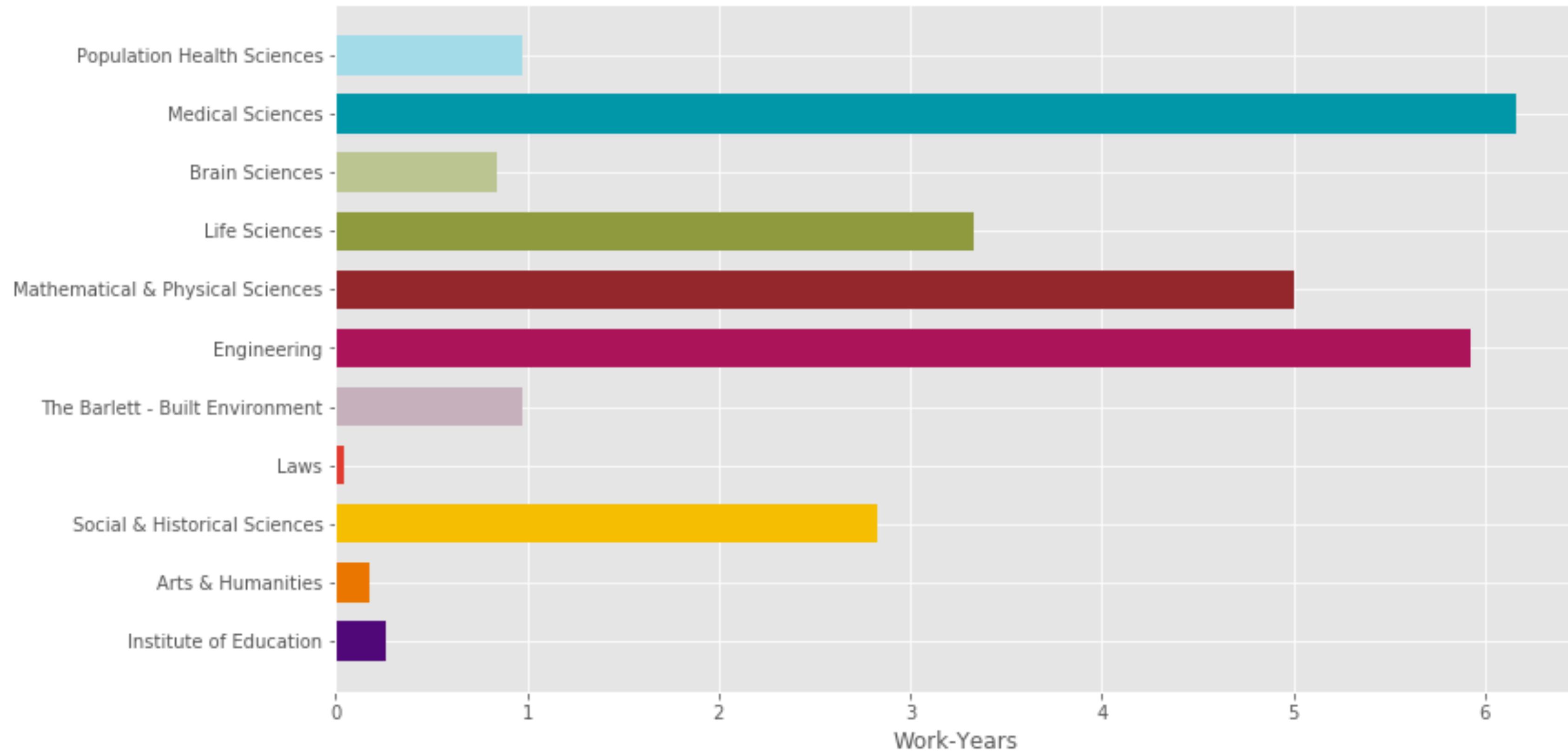
Many different academic disciplines have benefited from working with RSDG; a full list of [current and former projects](#) is available on the Research IT Services website. The following is a partial list of the kinds of projects we typically work on:

- Implementing new algorithms or methods
- Addition of new components to existing models
- Import/export tools for linking with other codes or loading new data formats (e.g. for multiscale modeling, data import/export)
- Performance improvements

What we do

- Collaborate with researchers
- Expert advice and consultancy; drop-ins
- Community building & peer support
- Training courses
- Development tools & infrastructure

RSDG time spent per UCL Faculty and School, Jan 2012 - Jan 2020



Training

- Online courses
- Software Carpentry workshops
(next: 18th & 19th Feb)
- In-person training
- MSc modules
- Part of work on research projects

Top questions (9)

Anonymous
Can you please share a list of ressources / courses for beginners? (R, Python) 9

Anonymous
Who in UCL, what communities, do you use for coding support? 6

Anonymous
To organizers: are there plans for sharing info about users of code club, expertise, interests, location? Or ability for us to communicate with the group? 4

Latest question

Anonymous
What problems do you think there are with coding in research? 0

Drop in sessions

- Informal [coffee mornings](#)
- Monthly [Research IT drop in sessions](#)
- ICH Code club



Community

UCL Programming Research Hub

- Slack channel
- Technical socials
- RITS [mailing list](#)

The image shows a list of three questions from an anonymous user on a Q&A platform:

- Top question (9)**
Anonymous
Can you please share a list of resources / courses for beginners? (R, Python)
9 upvotes
- Who in UCL, what communities, do you use for coding support?**
Anonymous
Who in UCL, what communities, do you use for coding support?
6 upvotes
- To organizers: are there plans for sharing info about users of code club, expertise, interests, location? Or ability for us to communicate with the group?**
Anonymous
To organizers: are there plans for sharing info about users of code club, expertise, interests, location? Or ability for us to communicate with the group?
4 upvotes
- Latest question**
Anonymous
What problems do you think there are with coding in research?
0 upvotes

What do we bring to ICH Code Club

- 1:1 code assistance after the talk part of Code Clinics
- Run a session every once in a while
- *Potentially:* ICH Software Carpentry or Data Carpentry



How to get support

- Email rc-softdev@ucl.ac.uk
- Research Programming Hub: bit.ly/uclhub
 - Weekly coffee mornings and monthly ‘tech socials’
 - Online discussions using Slack, with #helpme channel
- [Drop-in sessions](#)
 - Fortnightly during term time in IAS Common Ground

interactive time

What do you want to improve on...

Slido room: M798