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Research IT: RSE and Apps Support

Robert Haines

robert.haines@manchester.ac.uk

Research IT Club, 5th June 2018

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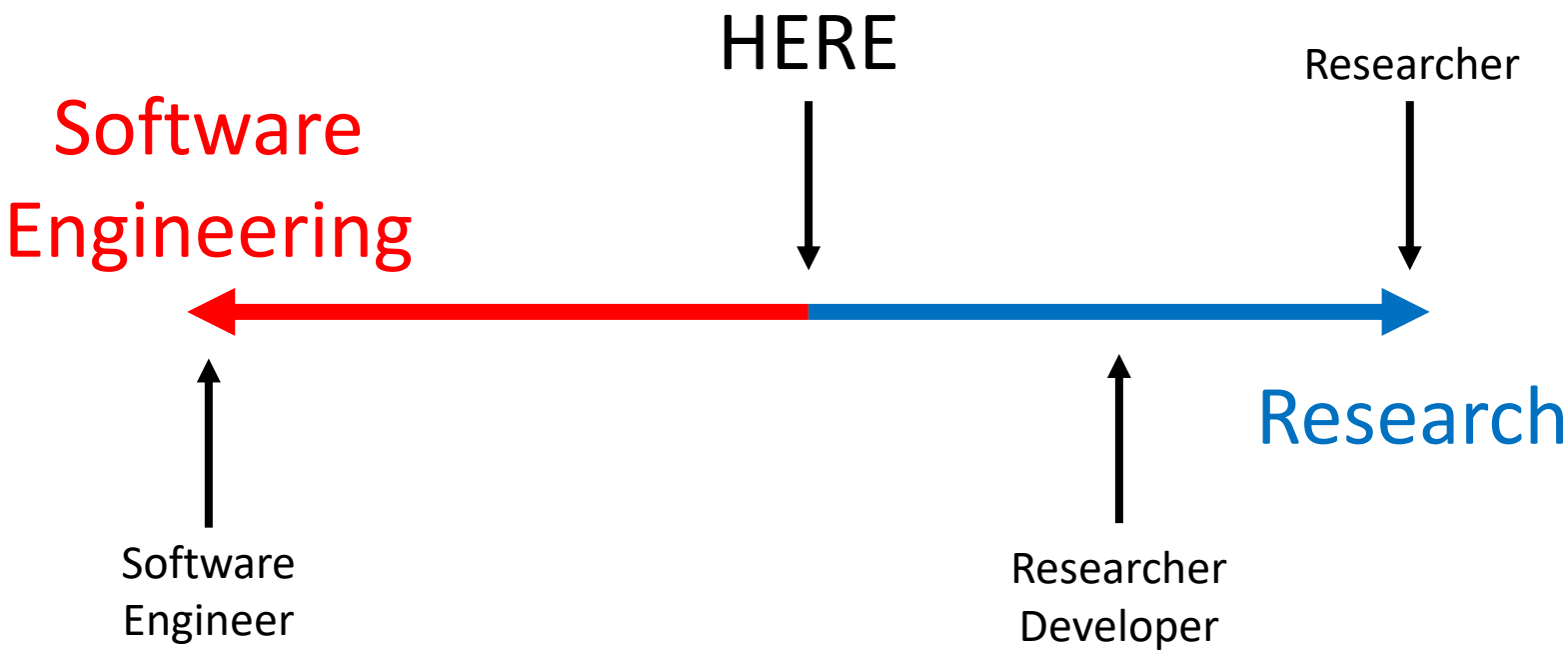
What is a Research Software Engineer?



Simon Hettrick: http://slides.com/simonhettrick/why-we-need-careers-for-research-software-engineers-10-13-17

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The Craftsperson and the Scholar

James Hetherington: http://www.software.ac.uk/blog/2012-11-09-craftsperson-and-scholar

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Are you a Research Software Engineer?

- Are you employed to develop software for research?
- Are you spending more time developing software than conducting research?
- Are you employed as a postdoctoral researcher, even though you predominantly work on software development?
- Are you the person who “does computers” in your research group?
- Are you sometimes not named on research papers despite playing a fundamental part in developing the software used to create them?
- Do you lack the metrics needed to progress your academic career, like papers and conference presentations, despite having made a significant contribution through software?

https://www.software.ac.uk/blog/2016-11-17-not-so-brief-history-research-software-engineers

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Join the UK RSE Community

- Careers
- Events
- Training
- International links
- www.rse.ac.uk

RSE
RESEARCH SOFTWARE ENGINEERS ASSOCIATION

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RSE noticeboard

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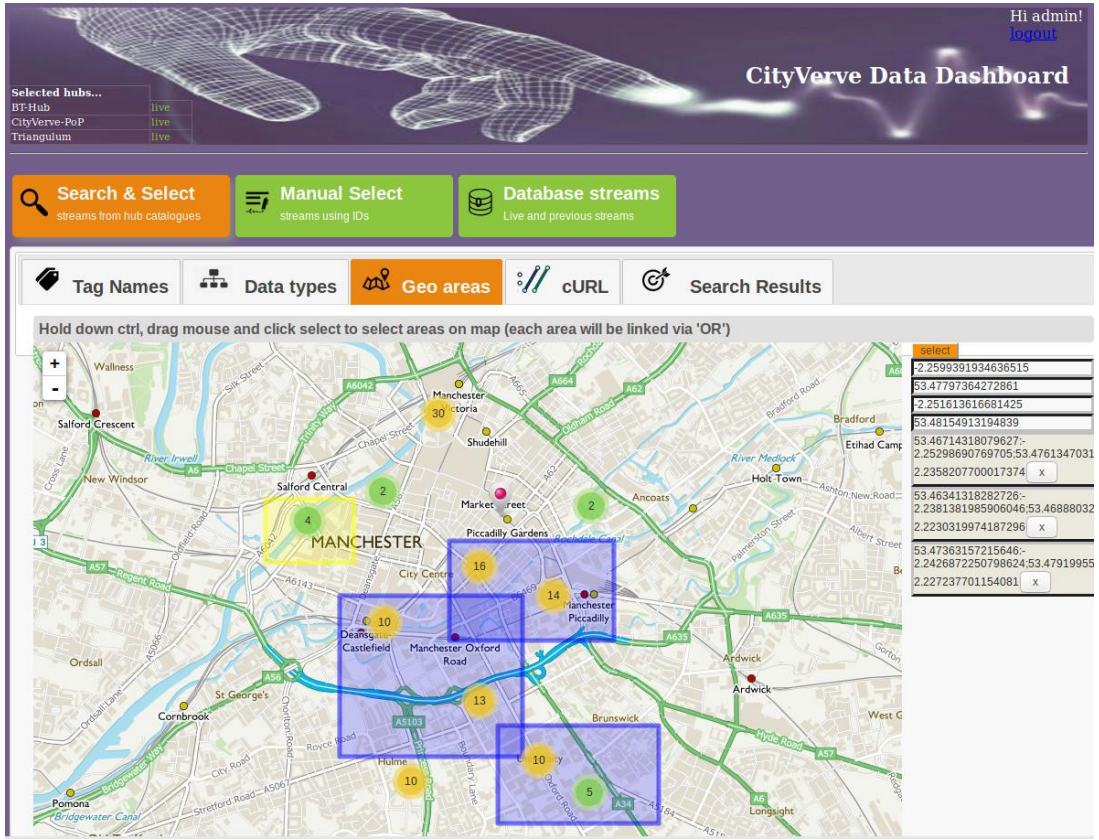
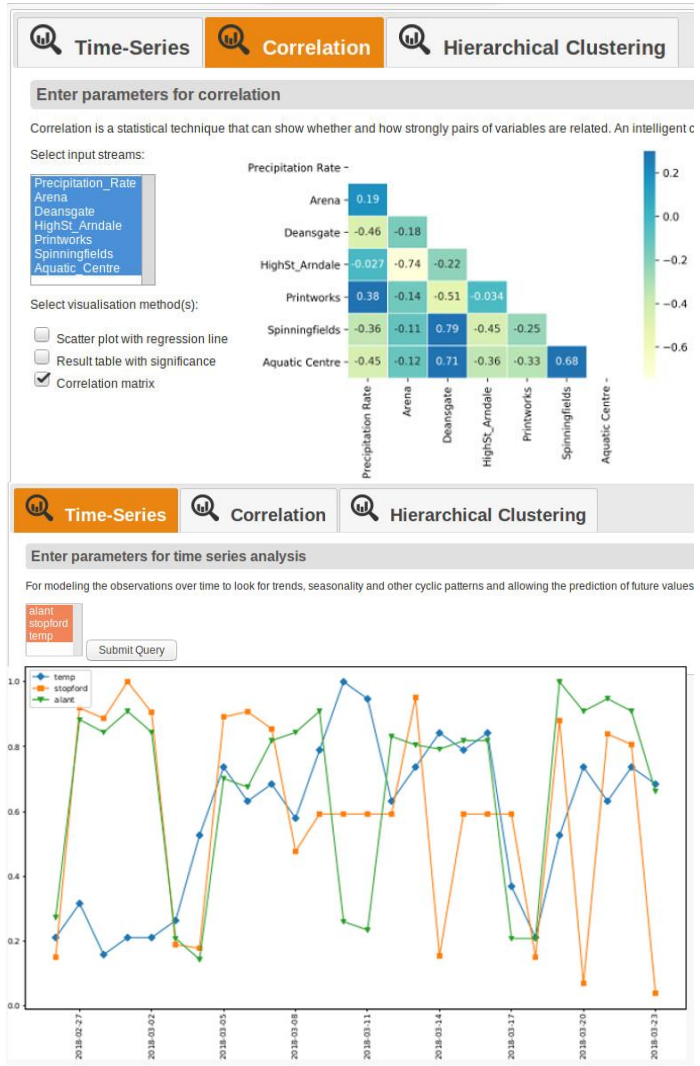
New RSE!

- Dr Ann Gledson
  - Research Software Engineer / Data Scientist





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Training and drop-in sessions

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Training courses: September onwards

- MATLAB programming course — Online
- Fortran programming course — Online
- Introduction to Linux/UNIX shell
- Introduction to Python
- Programming in Python
- Introduction to Data Visualization
- HPC training course CSF/DPSF
- Automation and Make
- LaTeX course (inc. UoM Thesis template)
- Data Analysis with R
- Version control with Git and GitHub

- More information + online courses here: http://bit.ly/2w6TfC0

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Drop in sessions

- Every two weeks around campus
- No appointment necessary
- Anything Research IT related
- If we can't solve your problem right away, we'll get back to you
- Come and see us (1400-1500):
  - 13th June, Michael Smith lounge area
  - 27th June, Alan Turing ground floor lounge
- See the blog/newsletter for other dates as they are announced

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Research Infrastructure noticeboard

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Updates

- The deadline for end-of-financial-year contributions to CSF has passed
  - Hardware orders are being processed
  - Contributions of ~150k including new Nvidia Volta GPUs
- Research Virtual Machine Infrastructure (RVMI)
  - Second-site hardware is currently being installed
  - This will improve the resilience of research VMs
- DPSF and CSF merger is progressing
  - Users will begin to see changes in July

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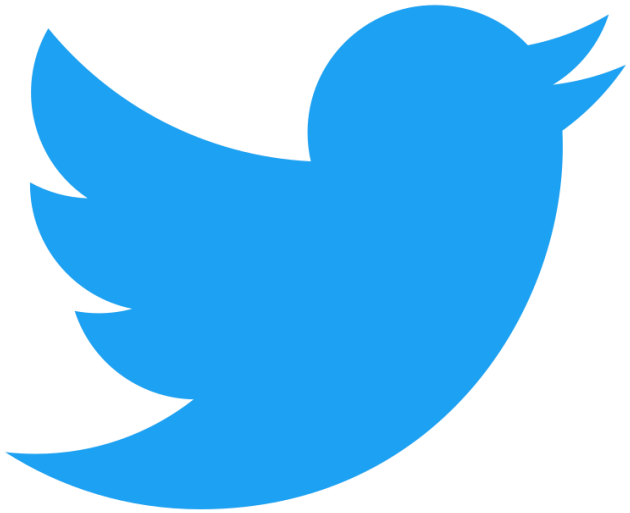
How to contact us

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  - http://www.itservices.manchester.ac.uk/research/
- IT Services Support Centre:
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