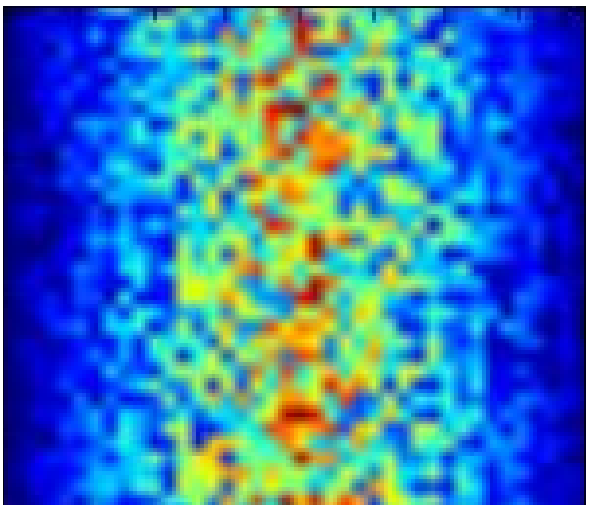
```
  PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
    1  0.0  0.1  34892  4748 ?        Ss    2015   4:40 /sbin/init
    2  0.0  0.0      0     0 ?        S     2015   0:02 [kthreadd]
    3  0.0  0.0      0     0 ?        S     2015   3:47 [ksoftirqd/0
    5  0.0  0.0      0     0 ?        S<    2015   0:00 [kworker/0:0
    7  0.0  0.0      0     0 ?        S     2015 167:16 [rcu_sched]
    8  0.0  0.0      0     0 ?        S     2015   0:00 [rcu_bh]
    9  0.0  0.0      0     0 ?        S     2015 227:34 [rcuos/0]
   10  0.0  0.0      0     0 ?        S     2015   0:00 [rcuob/0]
   11  0.0  0.0      0     0 ?        S     2015   0:00 [migration/0
   12  0.0  0.0      0     0 ?        S     2015   2:43 [watchdog/0]
   13  0.0  0.0      0     0 ?        S<    2015   0:00 [khelper]
   14  0.0  0.0      0     0 ?        S     2015   0:00 [kdevtmpfs]
```

Learn the command line, programming fundamentals and version control at an Intersect organised

Software Carpentry Workshop

2 days | No Prerequisites | At your campus | No cost to members



A workshop for the University of Sydney OSA/SPIE Student Chapter

Day 1

A solid grounding in the Unix command line
Get started with programming in Python, R or MATLAB

Day 2

Going further with programming
Versioning your code and data with Git

Why do this course?

Seeking a friendly introduction to programming or the Unix command line? Already writing scripts but want to fill in the blanks in your knowledge of programming? New to Python, R or MATLAB and would like to get a sense of its capabilities? Have you mistakenly overwritten programs or data and want to learn techniques to avoid doing it again?

Join us for this live coding workshop where we write programs that produce results, using the researcher-focused training modules from the highly regarded Software Carpentry Foundation (software-carpentry.org).

Every attendee is given access to their own dedicated Linux virtual machine for the duration of the workshop, with all required software and data fully loaded and ready to run.

Please refer to registration page for details of which language — **Python**, **R** or **MATLAB** — will be taught

You'll learn:

- How to automate repetitive analysis using the command line.
- Programming concepts and techniques.
- Basic syntax, control structures and data types in Python, R or MATLAB.
- How to never lose a thing with version control.

The Intersect approach to training

At Intersect, we work closely with our member universities to develop and deliver training that targets the day-to-day software and technology problems that researchers face. We deliver hands-on courses in a relaxed setting with knowledgeable, helpful trainers who are themselves researchers and who know how researchers work.

For more information visit
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